SAN FRANCISCO FIRE DEPARTMENT

ANNUAL REPORT 1968-1969

SAN FRANCISCO FIRE DEPARTMENT

ANNUAL REPORT

1968-1969

FIRE COMMISSION

FRANK ALIOTO	PRESIDENT
RUDY THAM	VIC. PRES.
MORRIS BERNSTEIN	COMMISSIONER

CHIEF OF DEPARTMENT

WILLIAM F. MURRAY

Honorable
JOSEPH L. ALIOTO
Mayor

F I R E C O M M I S S I O N

Honorable
FRANK N. ALIOTO
President

Honorable
MORRIS BERNSTEIN
Commissioner

Honorable
RUDY THAM
Vice President

RAYMOND G. CONNORS, JR.
Secretary

WILLIAM F. MURRAY
CHIEF OF DEPARTMENT

KEITH P. CALDEN
DEPUTY CHIEF OF DEPARTMENT

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CHIEF OF DEPARTMENT

CITY AND COUNTY OF SAN FRANCISCO

SAN FRANCISCO FIRE DEPARTMENT

OFFICE
EF OF DEPARTMENT

260 GOLDEN GATE AVE.
SAN FRANCISCO, CAL. 9410

September 2, 1969

Honorable President and
Members of the Fire Commission
San Francisco Fire Department

Gentlemen:

In accordance with the provisions of Section 20 of the Charter of the City and County of San Francisco, I am pleased to submit herein the Annual Report of the San Francisco Fire Department for the Fiscal Year 1968-1969.

This report is submitted in a combination of narrative and statistical form to factually present the basic operations of the Fire Department for the fiscal year reported. It is noted particularly that, under stringent budget restriction, the work-week schedule of the firefighting service of the Department was reduced from 54 hours to 52 hours effective July 1, 1968. Yet, during the period reported, and in spite of harassments inflected upon this Department by civic dissidents, the total emergency response of this Department totaled 31,019, an increase of 5% over that reported for fiscal year 1967-68, as compared to a 32% increase for 1967-68 in relation to 1966-67; our false alarm response totaled 12,594 - an increase of 19% over that reported for fiscal year 1967-68 as compared to a 49.8% increase for 1967-68 in relation to 1966-67.

It is further noted that our total fire response for fiscal year 1968-69 was 9,750 as compared to 10,439 for fiscal year 1967-68, a reduction of 6%. These statistical facts, in my opinion, express the efficiency of the operation of this Department, as well as the dedication and devotion of all members of the Department to their responsibilities in the Fire Service of the City and County of San Francisco.

I therefore take this opportunity to express my sincere appreciation for the cooperation and direction extended to this Department by your Honorable Commission, His Honor the Mayor, and the Board of Supervisors. It is also my pleasure to express my sincere gratitude to all other City Authorities, civic groups, news media, Local No. 798 of the International Association of Fire Fighters, and to all members of this Department for the assistance and dedication they have given to the Fire Service of San Francisco throughout the year reported.

Respectfully yours,

William F. Murray

William F. Murray
Chief of Department

ADMINISTRATION

II
ADMINISTRATION

CHIEF STAFF OFFICERS

Specialized Auxiliary Service

SAN FRANCISCO FIRE DEPARTMENT

Headquarters
260 Golden Gate Avenue

Division of Administration — Room No. 225
Clarence G. Rosenstock - Assistant Chief of Department

Division of Fire Prevention
and Investigation — Room No. 327
Albert E. Hayes - Assistant Chief of Department

Division of Special Services — Room No. 210
Emmet D. Condon - Assistant Chief of Department

Disaster Corps — Room No. 309
(Fire Reserve) Russell B. Martin - Battalion Chief
(Plant Protection) William P. Gregg - Battalion Chief

Bureau of Community Relations — Room No. 309
Earl J. Gage - Director

****

Division of Training — 2310 Folsom Street
Donal P. Cummins - Assistant Chief of Department

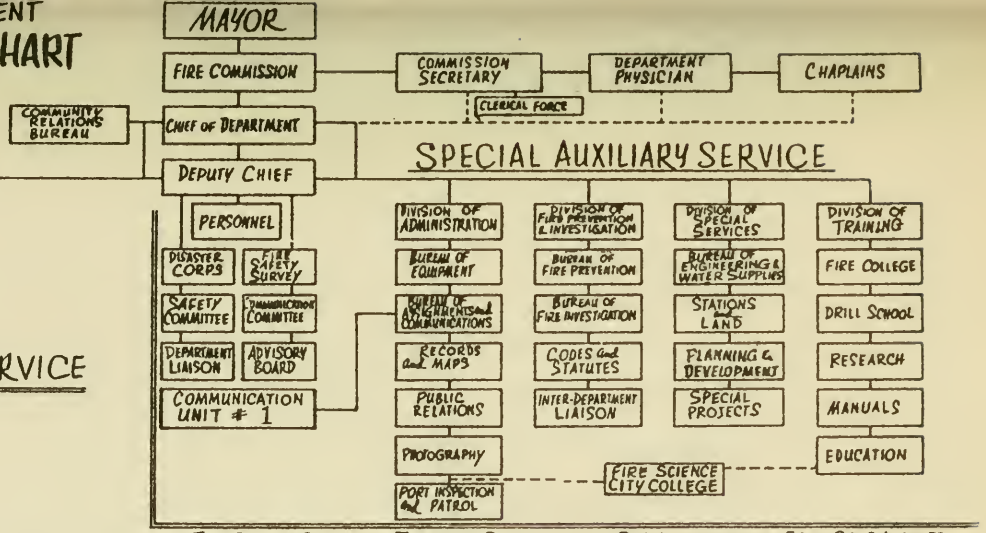
Bureau of Assignments and
Communications — 1003 Turk Street
William J. Graham - Battalion Chief

Bureau of Equipment — 840 Octavia Street
Donald W. McMillan - Lieutenant

SAN FRANCISCO FIRE DEPARTMENT

BASIC ORGANIZATION CHART

SEC: 203 RULES & REGULATIONS



FIRE FIGHTING SERVICE

3 DIVISIONS
11 BATTALION DISTRICTS
47 ENGINE COMPANIES
20 TRUCK COMPANIES
* 7 HOSE TENDERS
4 SALVAGE COMPANIES
2 RESCUE COMPANIES
2 SERVICE UNITS
1 FIRE BOAT
* 13 SPECIAL UNITS
1 AIRPORT SECTION

IN SERVICE

			ENGINES	TRUCKS	H.T.	SALV.	RESCUE	F.B.	SPECIAL UNITS
DIVISION # 1	BATTALION # 1	4 STATIONS	1-5-28-41	2-13	1-8	3			VALVE UNIT
	BATTALION # 2	4 STATIONS	6-14-27-29	6		1			W.T. 3 & 4 FUEL UNIT; HEF 1 & 2
	BATTALION # 3	6 STATIONS	2-4-9-17-35	1-8	4		1	1	W.T. # 1 & 2, S.L. # 1 & 2, AIR COMPRESSOR, COFFEE UNIT
DIVISION # 2	BATTALION # 4	4 STATIONS	3-8-15-20	3-4-16	7	2	2		SERVICE UNIT # 1
	BATTALION # 5	4 STATIONS	21-26-34-40	5-10-12	5				
	BATTALION # 7	4 STATIONS	22-36-46-47	14					
	BATTALION # 8	4 STATIONS	23-44-45-49	18-20					SERVICE UNIT # 2
DIVISION # 3	BATTALION # 6	4 STATIONS	7-10-13-24	7-11	6	4			
	BATTALION # 9	5 STATIONS	30-33-38-39-43	15-19					
	BATTALION # 10	4 STATIONS	11-18-32-42	17					
	BATTALION # 11	5 STATIONS	16-19-25-37-48	9	3				FOAM UNIT
	AIRPORT	2 STATIONS	AIRPORT RESCUE COMPANIES 1 and 2						

* RESERVE STATUS H.T. 3,5,7 & 8: W.T. 2,3 & 4: FUEL UNIT: HI-EX FOAM 1 & 2: S.L. 1: COFFEE UNIT: FOAM UNIT:

SAN FRANCISCO FIRE DEPARTMENT
UNIFORMED PERSONNEL -- SPECIALIZED AUXILIARY SERVICE

AUTHORIZED PERSONNEL
BUDGET 1969 - 1970

	C.D. 140	D.C. 150	A.C. H-50	B.C. H-40	CAPT. H-30	LT. H-20	OPR. H-10	FRTN H-2	PILOT H-120	M.ENGR. H-110	CAPT. H-32	LT. H-22	LT. H-24	INSP. H-4	INV. H-6
CHIEF OF DEPARTMENT	1						3								
DEPUTY CHIEF OF DEPARTMENT		1					3								
DISASTER CORPS - PLANT PROTECTION				2		1									
PUBLIC ASSEMBLY					1										
WATER FRONT SECURITY								1				1			
DIVISION OF ADMINISTRATION			1		2	1	1	3							
BUREAU OF ASSIGNMENTS				1		8		8							
BUREAU OF EQUIPMENT						1		8							
DIVISION OF TRAINING			1		1	3	1	1							
DIVISION OF FIRE PREV. & INV.			1												
BUREAU OF FIRE INVESTIGATION													1		7
BUREAU OF FIRE PREVENTION											1	2		27	
DIVISION OF SPECIAL SERVICES			1												
BUR. OF ENG. & WATER SUPPLY								7							
	1	1	4	3	4	14	8	28			1	3	1	27	7

FIRE FIGHTING SERVICE

DIVISIONS 1 & 2			10				10								
DIVISIONS 1 / 11				36			36								
ENGINE COMPANY 1 HT 1					1	2		19							
ENGINE COMPANY 2					1	2		16	(T)						
ENGINE COMPANY 3					1	2		16	(T)						
ENGINE COMPANY 4					1	2		17	(T)						
ENGINE COMPANY 5					1	2		16							
ENGINE COMPANY 6					1	3		16							
ENGINE COMPANY 7					1	2		13							
ENGINE COMPANY 8 HT R-7					1	2		16							
ENGINE COMPANY 9					1	2		13							
ENGINE COMPANY 10 HT 6					1	2		19							
ENGINE COMPANY 11					1	2		13							
ENGINE COMPANY 13					1	2		16							
ENGINE COMPANY 14					1	2		17							
ENGINE COMPANY 15					1	3		16							
ENGINE COMPANY 16					1	2		13							
ENGINE COMPANY 17 HT 4					1	2		19	(T)						
ENGINE COMPANY 18					1	2		13							
ENGINE COMPANY 19					1	2		13							
ENGINE COMPANY 20					1	2		13							
ENGINE COMPANY 21					1	2		16	(T)						
ENGINE COMPANY 22					1	2		13							
ENGINE COMPANY 23					1	2		13							
ENGINE COMPANY 24					1	2		13							
ENGINE COMPANY 25 HT R-3					1	2		13							
ENGINE COMPANY 26					1	2		13							
ENGINE COMPANY 27					1	2		16							
ENGINE COMPANY 28 HT R-8					1	2		16							
ENGINE COMPANY 29					1	2		16							
ENGINE COMPANY 30					1	2		13							
ENGINE COMPANY 32					1	2		13							
ENGINE COMPANY 33					1	2		13							
ENGINE COMPANY 34 HT R-5					1	2		17							
ENGINE COMPANY 35					1	2		16							
ENGINE COMPANY 36					1	2		13							
ENGINE COMPANY 37					1	2		13							
ENGINE COMPANY 38					1	2		13							
ENGINE COMPANY 39					1	2		13							
ENGINE COMPANY 40					1	2		13							
ENGINE COMPANY 41					1	2		17							
ENGINE COMPANY 42					1	2		13							
ENGINE COMPANY 43					1	2		13							
ENGINE COMPANY 44					1	2		13							
ENGINE COMPANY 45					1	2		13							
ENGINE COMPANY 46					1	2		13							
ENGINE COMPANY 47					1	2		13							
ENGINE COMPANY 48					1	3		13							
ENGINE COMPANY 49					1	2		13							
TRUCK COMPANY 1					1	3		20	(T)						
TRUCK COMPANY 2					1	3		20							
TRUCK COMPANY 3					1	3		19	(T)						
TRUCK COMPANY 4					1	2		20	(T)						
TRUCK COMPANY 5					1	3		19							
TRUCK COMPANY 6					1	2		19							
TRUCK COMPANY 7					1	3		20	(T)						
TRUCK COMPANY 8					1	2		20							
TRUCK COMPANY 9					1	3		20							
TRUCK COMPANY 10					1	3		20							
TRUCK COMPANY 11					1	3		19							
TRUCK COMPANY 12					1	3		20							
TRUCK COMPANY 13					1	3		20	(T) ---((T) Training Position)---						
TRUCK COMPANY 14					1	3		19							
TRUCK COMPANY 15					1	3		20							
TRUCK COMPANY 16					1	2		20							
TRUCK COMPANY 17					1	3		19							
TRUCK COMPANY 18					1	3		20							
TRUCK COMPANY 19					1	3		19							
TRUCK COMPANY					1	3		19							
** [illegible] ** 1					1	2		13		3	4				
[illegible] 1					1	2		13							
[illegible] 2					1	2		13							
[illegible] 1								3							
[illegible] 1 (R)															
[illegible] 2								3							
[illegible] 1								3							
[illegible] 3 (R)															
[illegible] 1								3							
[illegible] COMPANY 1					1	2		10							
[illegible] COMPANY 2					1	2		12							
[illegible] COMPANY 3					1	2		10							
[illegible] COMPANY 4					1	2		10							
[illegible] COMPANY					1	6	1	36							
[illegible] P[illegible]			1	6	7	40	3	47							
	1	1	15	45	86	227	58	1277	3	4	1	3	1	27	7

Note: HT R
(R) is reserve unit.

NON-UNIFORM FORCE

	COM 100	SEC 1240	ACC 1654	ACC 1656	CGS 1446	CGT 1476	CT 1454	SS 1452	PPC 1220	SPPC 1222	PHY 2220	WSS 5146	PUMP STATIONS 0172	0205	7334	HYDRANT DEPARTMENT 01661	7333	7230	7323	7338	7514
[illegible] OFFICE	3	1	1	1		1	1	1	1	1	1										
FIRE [illegible] ENGINEER					1	1															
[illegible] OFFICE					1		1														
[illegible] OF FIRE PREV.												1	1	1	7	2	7	1	1	14	3
[illegible] OF ENGR. & WATER SUPPLY	3	1	1	1	2	2	2	1	1	1	1	1	1	1	7	2	7	1	1	14	3
	← 16 →											← 38 →									

[illegible] William P. Murray, Chief
[illegible] by direction
[illegible]arence J. Rosenstock, Chief, Division of Administration.

TOTAL

ADMINISTRATION

PERSONNEL

Employments:

The total number of authorized employments for the Fire Department totaled 1810 for fiscal year 1968-69. This number of authorized employments remained the same for fiscal year 1969-70, with the exception that one H2 Fireman was reclassified to the rank of H10 Chiefs' Operator. The total Fire Department authorized employments for 1969-70 is detailed as follows:

UNIFORMED FORCE

1	Chief of Department
1	Deputy Chief of Department
15	Assistant Chief of Department
45	Battalion Chief
86	Captain
227	Lieutenant
58	Chiefs' Operator
1277	Fireman
3	Pilot - Fireboat
4	Marine Engineer - Fire boat
1	Captain - Bur.Fire Prev.
3	Lieutenant - Bur.Fire Pre.
27	Inspector - Bur.Fire Prev.
1	Lieutenant - Bur.Fire Inves.
7	Investigator - BurFire Inv.
1756	TOTAL - UNIFORM FORCE - 97.9%

NON-UNIFORMED FORCE

Headquarters Office

3	Fire Commissioner
1	Secretary - Fire Commission
1	Physician (Part Time)
1	Principal Accountant
1	Senior Payroll & Personnel Clerk
1	Payroll & Personnel Clerk
2	Senior Clerk-Stenographer
1	Stenographic - Secretary
2	Senior Clerk Typist
2	Clerk Typist
1	Accountant
16	Total Headquarters Office

Bur. Eng.& Water Supply

1	Supt. - Bureau Water Supply
1	Foreman - Bureau Water Supply
1	Sub-Foreman - Bur. Water Supply
1	Chief Operating Engineer
1	Chief Stationary Engineer
2	Jr. Operating Engineer
6	Stationary Engineer
1	Stationary Engineer (Relief)
6	Jr. Stationary Engineer
1	Jr. Stationary Engineer (Relief)
14	Utility Plumber
3	General Laborer
38	Total - Bur. Eng. & Water Supply
54	TOTAL NON- UNIFORM - 2.1%

TOTAL EMPLOYMENTS

JULY 1, 1969

1,810

Specific assignments of these employments are detailed on the authorized personnel assignment chart opposite this page.

II
ADMINISTRATION

PROMOTIONS - UNIFORMED FORCE

The following promotions were made in the various uniformed ranks of the Department during the fiscal year 1968-1969:

Rank	Effective Date
Deputy Chief of Department (C.S. 150)	
(1) Keith P. Calden	8/1/68
Assistant Chief of Department (C.S. H50)	
(1) Donal P. Cummins	7/1/68
(2) John J. Baldelli	8/1/68
Battalion Chief (C.S.H40)	
(1) Ernest J. Russell	7/1/68
(2) Russell B. Martin	7/1/68
(3) Oscar F. Postel (P.L.T.)	8/1/68
(4) Armando J. Venturi (P.L.T.)	10/21/68
(5) Edward T. McGovern (P.L.T.)	11/1/68
(6) Terence P. McEntee (P.L.T.)	3/24/69
Captain (C.S.H30)	
(1) Francis T. Brissette (P.L.T.)	7/1/68
(2) Frederick A. Schier (P.L.T.)	7/1/68
(3) Evald A. Lundgren (P.L.T.)	8/1/68
(4) Eugene F. Gervais (P.L.T.)	10/16/68
(5) Emile R. Halverson (P.L.T.)	10/21/68
(6) Leo T. Burns (P.L.T.)	11/1/68
(7) Charles W. MacCarthy	12/20/68
(8) Thomas M. Healy	12/20/68
(9) John H. Hershfeld, Jr.	12/20/68
(10) Robert C. Barry	12/20/68
(11) Joseph F. Scannell	12/20/68
(12) Duilio P. Traversaro	12/20/68
(13) John J. Mullin	12/20/68
(14) Ronald J. McInnis	12/20/68
(15) George Ayoob	12/20/68
(16) Joseph Del Bene	12/20/68
(17) Thomas J. Carroll	12/20/68
(18) Harvey J. Brymner	12/20/68
(19) Andrew J. Brandi	12/20/68
(20) Stephen B. Cronin	12/20/68
(21) Robert E. Rose	12/20/68
(22) Cyril A. Kashevaroff	3/24/69
(23) Edward F. McHugh	5/23/69
Lieutenant (C.S.H20)	
(1) John M. Stephens (P.L.T.)	7/1/68
(2) Clarence E. Nevius (P.L.T.)	7/1/68
(3) Robert H. Ulrich (P.L.T.)	7/1/68
(4) Robert F. Scharetg (P.L.T.)	7/1/68
(5) Paul S. Walsh (P.L.T.)	7/1/68

Rank	Effective Date
Lieutenant (C.S.H20) - Continued	
(6) Samuel D. Horner (P.L.T.)	7/1/68
(7) Clifford J. Blume (P.L.T.)	7/1/68
(8) Albert F. Gori (P.L.T.)	7/1/68
(9) Edward C. Morrison (P.L.T.)	7/1/68
(10) Robert L. Tuohey (P.L.T.)	7/1/68
(11) Robert G. Cotton (P.L.T.)	7/10/68
(12) Charles A. Fernandez (P.L.T.)	8/1/68
(13) Robert C. Banzet (P.L.T.)	8/1/68
(14) Michael P. Kenny (P.L.T.)	8/1/68
(15) Richard Webb (P.L.T.)	9/16/68
(16) James H. Gillam (P.L.T.)	10/1/68
(17) Clifford J. Kahn, Jr. (P.L.T.)	10/16/68
(18) Bertram S. d'Ottille (P.L.T.)	10/16/68
(19) Walter A. Crombie (P.L.T.)	10/16/68
(20) Richard Buoncristiani (P.L.T.)	10/21/68
(21) William J. Jasey (P.L.T.)	11/1/68
(22) Raymond J. Conroy (P.L.T.)	11/1/68
(23) James F. Cunnie (P.L.T.)	11/1/68
(24) Robert L. Hinnman (P.L.T.)	11/16/68
(25) Frank E. Drago	12/20/68
(26) Harry F. Brophy	12/20/68
(27) Joseph L. Kocher	12/20/68
(28) Charles F. Ryan	12/20/68
(29) Robert E. Sheehy	12/20/68
(30) Charles M. Simmons	12/20/68
(31) George Payne	12/20/68
(32) William Whitfield	12/20/68
(33) Edwin M. Ahrens	12/20/68
(34) John W. Hagenah	12/20/68
(35) Eugene G. Calamoneri	12/20/68
(36) Jack D. McDowell	12/20/68
(37) Walter A. Crombie	12/20/68
(38) Raymond T. Hadlock	12/20/68
(39) James A. Rossbach	12/20/68
(40) Joseph S. Figlietti	12/20/68
(41) Charles W. Zerbe	12/20/68
(42) William Shaughnessy	12/20/68
(43) Joseph B. McKeon	12/20/68
(44) William J. Azich	12/20/68
(45) William J. Correll	12/20/68
(46) Richard A. Thomas	12/20/68
(47) William J. Bassett	12/20/68
(48) Joseph J. Clement	12/20/68
(49) James M. Andersen	12/20/68
(50) Richard T. Folla	12/20/68
(51) Robert L. Tuohey	12/20/68
(52) Donald E. Horgan	12/20/68
(53) Gerald C. Cullen	12/20/68
(54) Andrew T. Smail	12/20/68
(55) Frank Cercos, Jr.	12/20/68

Rank	Effective Date
Lieutenant (C.S. H20) - Continued	
(56) Mervyn J. Fauss	12/20/68
(57) John J. Bogue, Jr.	12/20/68
(58) Oliver C. Storti	12/20/68
(59) David W. Hinman	12/20/68
(60) James G. Coffman	12/20/68
(61) William E. Brown	12/20/68
(62) Elliot Kamler	12/20/68
(63) Ray A. Landi	12/20/68
(64) William G. MacGurn	12/20/68
(65) James P. Giorvas	12/20/68
(66) Jack P. Weingand	12/20/68
(67) Robert D. Bechler	12/20/68
(68) Edward F. Pease	12/20/68
(69) Alfred E. Smyth	12/20/68
(70) Harold J. Colen	12/20/68
(71) Theodore J. Sutter	12/20/68
(72) Leon M. Fraysse	12/20/68
(73) Jerome L. Green	12/20/68
(74) Robert D. Moore	12/20/68
(75) Louis P. Grillo	12/20/68
(76) William T. Cochrane, Jr.	12/20/68
(77) Richard F. Groger	3/1/69
(78) George J. Kniese	3/24/69
(79) Raymond J. Gunning	3/24/69
(80) Herman M. Barber	5/1/69
(81) Richard S. Wind	5/16/69
(82) Stanley T. Hughes	5/23/69

NOTE: All Permanent Limited Tenure (P.L.T.) appointments to the ranks of H30 Captain and H20 Lieutenant, made during fiscal year 1967-68 and 1968-69, were terminated on December 20,1968 upon certification of an eligible list by the Civil Service Commission for permanent appointment to their respective ranks.

Chiefs' Operator (C.S. H10)	
(1) Maurice Murray	7/1/68
(2) Robert P. Irwin	7/1/68
(3) Joseph J. Clement	7/1/68
(4) William M. Shaughnessy	7/16/68
(5) Paul A. Paulbitski	12/20/68
(6) Jack Kermoian	12/20/68
(7) Gerald B. Mahoney	12/20/68
(8) John H. Hoseit	12/20/68
(9) James D. McGovern	12/20/68
(10) John I. Lee	12/20/68
(11) Robert L. Bruno	3/1/68
Inspector - Fire Prevention (C.S. H4)	
(1) James I. King	12/16/68

ADMINISTRATION

Rank	Effective Date
Investigator - Arson (C.S. H6)	
(1) James L. McDonough (Temporary Tenure)	12/16/68
Director - Bureau of Community Relations	
Earl J. Gage	4/29/69

PROBATIONARY FIREMEN APPOINTMENTS

The following members were certified by the Civil Service Commission for probationary appointment to the rank of H2 Fireman during the fiscal year 1968-69:

Appointed August 5, 1968

(1) Jack A. Giessler
(2) Patrick H. McLaughlin
(3) Raymond D. Haney
(4) Gregory S. Philliposian
(5) Joseph P. Collins
(6) Richard E. Sarlatte
(7) Franklin H. Dunn
(8) John J. McHale
(9) Robert Anderson
(10) John A. Newenhouse
(11) Alfred J. Silvestri, Jr.
(12) James Fitzpatrick
(13) Danny H. Olsen
(14) Robert J. Sirois
(15) William Moe
(16) Phillip R. Kavanaugh
(17) James Mancuso
(18) James F. Keane
(19) James R. Castro
(20) William P. Shore
(21) William J. Connolly
(22) James D. Smith
(23) Patrick J. Coleman, Jr.
(24) Antonio G. Correa, Jr.
(25) Michael F. Kilgariff
(26) Dominic A. Aiello
(27) Michael J. Stanfield
(28) Jerome M. Polizzi
(29) Michael A. O'Dwyer
(30) A. Woodman Paynter, Jr.
(31) Dennis E. Murphy

Appointed October 7, 1968

(32) David P. Castellino
(33) James J. Lee
(34) William G. Carey
(35) Robert C. Jonsen
(36) Thomas W. Creedon
(37) James C. Riley
(38) John F. Welch
(39) George Hill
(40) Joseph M. Fitzgerald
(41) Daniel P. Bonnici
(42) Audry Lee
(43) Patrick L. Wallace

Appointed December 23, 1968

(44) Richard C. Quinn

Appointed March 3, 1969

(45) Michael E. O'Leary

Appointed April 21, 1969

(46) William T. Utikal

Appointed May 20, 1969

(47) Bernard H. Becker
(48) Gilbert A. Moreno

ADMINISTRATION

Total Appointments - Uniformed Force

Permanent		Limited Tenure	
Deputy Chief	1	Battalion Chief	4
Assistant Chief	2	Captain	6
Battalion Chief	2	Lieutenant	24
Captain	17	Arson Investigator	1
Lieutenant	58		
Chiefs' Operator	11		
Inspector	1		
Fireman	48		

Civilian Force Appointments

Charles Stewart	Chief Stationary Engineer	8/1/68
Mary Ann Roberts	Senior Clerk Typist (L.T.)	8/16/68
Richard J. Murphy	Steno-Secretary (L.T.)	12/1/68
Theodosia Timpe	Senior Clerk Stenographer (L.T.)	12/3/68
Natalie Tecco	Payroll & Personnel Clerk (L.T.)	12/18/68
Virginia L. Park	Senior Clerk Stenographer (L.T.)	4/1/69
Patrick J. Lydon	Stationary Engineer (L.T.)	4/1/69
Chester W. Welch	Junior Stationary Engineer	6/3/69
Tim G. Leong	Junior Stationary Engineer	6/5/69
John W. Menzel	Water System Foreman	6/16/69
Elizabeth E. Hunter	Clerk-Stenographer	6/16/69

Fire Commission Appointments

Upon approval of His Honor the Mayor, the administrative officers of the Fire Commission were named as follows, effective January 14, 1968:

Frank N. Alioto	-	President
Rudy Tham	-	Vice-President
Morris Bernstein	-	Commissioner

SERVICE TERMINATIONS
1968 - 1969

Date	Name	Rank	Cause
6/30/68	Thomas F. Glafkides	Fireman	Disability
7/1/68	David N. Drennon	Ch.Operating Engineer	Service
7/1/68	Melvin Pettersen	H-10 Chiefs' Operator	Service
7/8/68	John W. Bettencourt	H-20 Lieutenant	Service
7/11/68	Joseph Ryan	Fireman	Ind. Disability
7/14/68	Robert J. Groom	Fireman	Ind. Disability
7/15/68	Michael P. Donohue	Fireman	Relinquished
8/1/68	William A. Best, Jr.	H-20 Lieutenant	Ind. Disability

SERVICE TERMINATIONS

Date	Name	Rank	Cause
8/1/68	William P. Lindecker	Deputy Chief	Service
8/10/68	James C. Treanor	Lieutenant	Service
9/1/68	Stephen J. Corboff	Fireman	Service
9/1/68	Tom C.R. Humphrey	Fireman	Service
9/10/68	George Herzo	P.L.T.Lieutenant	Service
9/16/68	Walter Remy	P.L.T.Lieutenant	Service
9/23/68	Alfred Regimbal	Lieutenant	Service
9/28/68	Fred L. Baumeister	Battalion Chief	Death
9/29/68	Frank P. Blackburn	Battalion Chief	Service
9/30/68	John W. Mahoney	Fireman	Death
10/1/68	William O'Neill	Fireman	Death
10/1/68	George S. Hinson	Captain	Service
10/3/68	Joseph Reinstadler	Lieutenant	Ind. Disability
10/9/68	Philip J. Kleinheinz	Fireman	Death
10/14/68	Max Christensen	Chaplain (Protestant)	Resigned
10/16/68	Frank S. Johnson	Fireman	Service
10/16/68	Herbert P. Muzio	P.L.T.Lieutenant	Service
10/26/68	Lloyd J. Lewis	Fireman	Death
11/2/68	Leo W. Nyhan	P.L.T.Lieutenant	Service
11/14/68	David J. Cotter	Inspector	Service
11/14/68	Noel A. Bond	P.L.T.Lieutenant	Service
11/16/68	Lewis C. Schreck	Captain	Service
11/16/68	Joseph L. Giacomini	P.L.T.Lieutenant	Service
11/19/68	Thomas E. Costello	P.L.T.Lieutenant	Service
11/19/68	Emmett F. McDonald	P.L.T.Lieutenant	Service
11/22/68	John P. Barden	P.L.T.Lieutenant	Service
11/22/68	Dale C. Prior	P.L.T.Lieutenant	Service
11/24/68	Martin J. Kennedy	P.L.T.Lieutenant	Service
11/24/68	George J. Etzel	P.L.T.Lieutenant	Service
12/8/68	Robert J. Burns	Fireman	Death
12/9/68	George J. Nolan	Fireman	Service
12/15/68	Louis E. Garibaldi	Fireman	Relinquished
12/16/68	Richard N. Guerreiro	Payroll & Pers. Clk.	Resigned
12/17/68	John J. Agazzi	Fireman	Service
12/20/68	George Hutchinson	Fireman	Death
1/15/69	Frederick H. Goessel	Fireman	Service
1/16/69	Angelo A. Devincenzi	Fireman	Ind. Disability
1/18/69	Reno Dallimonti	Fireman	Death
1/29/69	John Bauer	Fireman	Service
2/1/69	Fred J. Oberg, Jr.	Fireman	Service
2/3/69	William Arkwright	Fireman	Service
2/6/69	Robert E. Livesey	P.L.T.Stationary Engineer	Resigned
2/17/69	Elmer Ferree	Fireman	Death
2/18/69	Thomas F. Farrell	Lieutenant	Service
2/24/69	Gladys V. Roebuck	Senior Clerk Stenographer	Death

II
ADMINISTRATION

SERVICE TERMINATIONS

Date	Name	Rank	Cause
2/28/69	William J. Bales	Senior Clerk Typist	Disability
3/10/69	Arthur S. Oliva	Battalion Chief	Death
3/14/69	George U. Kelly	Lieutenant	Service
3/15/69	William F. Lockhart	Fireman	Ind.Disability
3/21/69	Garrett Nisidio	Fireman	Death
3/26/69	Alfred O. Lucas	Fireman	Service
3/31/69	Natalie K. Tecco	P.L.T. Payroll & Personnel Clerk	Resigned
3/31/69	Patrick Lydon	Stationary Lieutenant	Resigned
4/2/69	Thomas A. Snyder	Lieutenant	Service
4/4/69	Louis D. Young	Lieutenant	Service
4/5/69	Harry W. Koch	Fireman	Service
5/16/69	George Zaragoza	Captain	Service
5/16/69	Paul V. Duensing	Fireman	Service
5/19/69	Laurence S. Jacobsen	Fireman	Ind.Disability
5/23/69	Andrew F. Pugh	Fireman	Ind.Disability
5/28/69	John Quirn	Fireman	Service
5/30/69	John D. Breen	Fireman	Service
6/1/69	Martin J. Kilgariff	Fireman	Resigned
6/2/69	William C. Zickgraff	Fireman	Resigned

Total Service Terminations - 1968-69:

Retirements (Disability)	-	10
Retirements (Service)	-	40
Death	-	12
Resigned	-	7
Relinquished	-	2
TOTAL		71

Disciplinary Action

July 2, 1969:
Fireman Robert S. James suspended for a period of seven days for violation of Section 3917 of the Rules and Regulations - "Unauthorized absence from Station or Place of Assignment".

July 14, 1968:
Fireman Brian X. Murray suspended for a period of four days for violation of Section 3925 of the Rules and Regulations - "Failure to Report".

May 13, 1969:
Fireman William C. Buckius fined ten working days for violation of Sections 3809 and 3923 of the Rules and Regulations - "Failure to Obey the Orders of the Department Physician" and "Insubordination".

Disciplinary Action

June 17, 1969:
Fireman John L. Hoffman fined one month salary, the sum of $878.00, for "Disobedience".

Meritorious Commendations

On January 28, 1969, the Fire Commission approved the recommendation of the Fire Department Merit Advisory Board for Meritorious Award to the Following Department members:

Class "A" Award

Fireman Albert W. Waight

Class "B" Award

Group Award involving 24 - Members of the Department

Class "C" Award

Fireman Raymond I. Helms
Lieutenant Thomas C. Buckle
Fireman Robert T. Gregg
Fireman John F. Pender
Fireman Harold J. Colen

Class "D" Award

Fireman Lester A. Gregg

Meritorious Award Justifications:

Class "A" = A voluntary action in relation to the saving of human life under the most adverse conditions and at extreme personal risk.

Class "B" = A voluntary action in relation to the saving of human life under dangerous conditions and at great personal risk.

Class "C" = An action of exceptional character and associated with unusual ability, personal initiative and courage.

Class "D" = An action of exceptional character and associated with unusual personal initiative and courage.

II
ADMINISTRATION

FISCAL

Budget - Personnel Services:

Under provisions of Section 36.2, City Charter, the salaries of the uniformed force of the Department are authorized by the Board of Supervisors. The salary range is based upon survey and certification by the Civil Service Commission of the highest salary paid firemen and police officers in California Cities of 100,000 or more population.

The required Charter survey of August, 1969 reported an increment of 12% for San Francisco Firemen as compared to the 1968-69 salary range. This survey was approved by the Board of Supervisors, effective July 1, 1969. Salaries for employees, other than those of the uniformed force, are governed by salary standardization authorized by specific Charter sections.

Personnel

1968-69 - Budget Expended $21,167,440
1969-70 - Budget Estimate $23,888,624

S.F.F.D.
SALARY RANGE

(Monthly)

Uniformed Force	July 1, 1968	July 1, 1969
Chief of Department	$2364.00	$2648.00
Deputy Chief of Department	1989.00	2228.00
Assistant Chief of Department	1613.00	1807.00
Battalion Chief	1397.00	1565.00
Captain	1165.00	1305.00
Lieutenant	1021.00	1144.00
Chiefs' Operator	956.00	1071.00
Captain, Bureau of Fire Prev. & Inves.	1316.00	1475.00
Lieutenant, Bur of Fire Prev. & Inves.	1154.00	1291.00
Inspector, Bur of Fire Prev.	1052.00	1178.00
Investigator, Bur of Investigation	1052.00	1178.00
Pilot & Marine Engineer, Fireboat	1165.00	1305.00
Fireman - 1st year	828.00	933.00
Fireman - 2nd year	843.00	948.00
Fireman - 3rd year	863.00	968.00
Fireman - 4th year	878.00	983.00

Non-Uniformed Force	July 1, 1968	July 1, 1969
Fire Commissioner	$ 100.00	$ 100.00
Secretary - Fire Commission	1171.00	1230.00
Physician - (Part Time)	1441.00	1514.00
Superintendent - Water Supply System	1460.00	1533.00
Foreman - Water Supply System	8.23 Hr.	9.33 Hr.
Sub-Foreman - Water Supply System	7.88 Hr.	8.93 Hr.

S.F.F.D.
SALARY RANGE

Non-Uniformed Force-(Continued)	July 1, 1968	July 1, 1969
Chief Stationary Engineer (2 - 1969-70)	$1089.00	$1200.00
Junior Operating Engineer	738.00	775.00
Stationary Engineer	5.17 Hr.	5.43 Hr.
Junior Stationary Engineer	593.00	686.00
Utility Plumber	7.16 Hr.	8.12 Hr.
Laborer	33.40 D.	37.40 D.
Accountant	775.00	813.00
Principal Accountant	1143.00	1200.00
Clerk-Typist	578.00	607.00
Senior Clerk-Typist	638.00	670.00
Senior Clerk-Stenographer	653.00	686.00
Senior Payroll & Personnel Clerk	721.00	757.00
Payroll & Personnel Clerk	593.00	565.00
Stenographic Secretary	757.00	795.00

D. = Daily Rate
Hr. = Hourly Rate

Budget - Operating:

This budget category represents the fiscal operating expense of the Fire Department.

1968-69 - Budget - Expended $683,340
1969-70 - Budget - Estimated $627,357

Item	Expended 1968-69	Estimate 1969-70
Contractual Services	$537,025	$534,342
Local Fares - Airport	554	500
Land Purchase	50,000	-0-
Materials and Supplies	88,503	84,451
Fixed Charges	3,773	3,820
Meritorious Awards	3,485	4,244

Budget - Equipment:

The equipment authorized in the 1968-69 Budget reflects the sound policy of the Department in planning for the provision and replacement of required apparatus and equipment without resort to Bond Issue.

1968-69 - Budget - Expended $125,792
1969-70 - Budget - Estimate $285,000

Budget Recapitulation and Comparison:

Category	Expended 1968-69	Estimate 1969-70	Comparison
Personnel Services	$21,167,440	$23,888,624	$+2,721,184
Contractual Services	537,025	534,342	- 2,683
Local Fares - Airport	554	500	- 54
Materials & Supplies	88,503	84,451	- 4,052
Equipment	125,792	285,000	+ 159,208
Land Purchase	50,000	-0-	- 50,000
Fixed Charges	3,773	3,820	+ 47
Meritorious Awards	3,485	4,244	+ 759
TOTAL	$21,976,572	$24,800,981	$+2,824,409

Like Work - Like Pay:

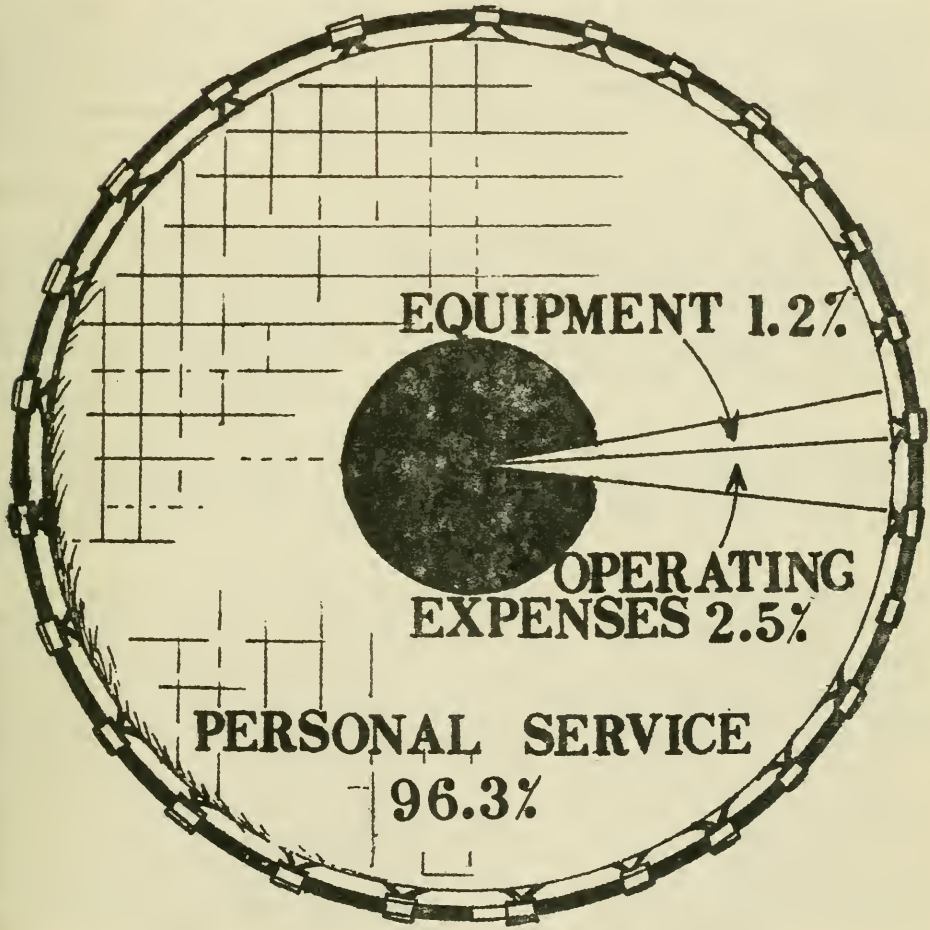
Effective July 1, 1967, it was required by City Ordinance to compensate members of the Fire Department who are required to be temporarily assigned, to the next higher rank than that in which they are permanently assigned for more than one 24-hour shift. This would occur when necessary to assign a member to a higher rank due to there being no permanent relief member of the higher rank available for said assignment. This requirement incurred an expenditure of $15,512.00, for the Fiscal Year 1967-68. In Fiscal Year 1968-69, this requirement required an expenditure of $33,482, of which $15,000 was authorized in budget estimate, $15,000 by supplemental appropriation and $3,482 by use of Department surplus funds. The authorized budget estimate for 1969-70 is $30,000.

Department Receipts:

Recorded Department Revenues for the Fiscal Year 1968-69 are reported as follows:

Permit Fees: - - - - - - - - - - - - - - - - -	$ 6,039
Sale of Electricity:	
(Pumping Station #2 to Fort Mason)- - -	29,325
Damage Recovery and other Revenues- - - - - -	11,993
Photo Copy Service Charges: - - - - - - - - -	1,969
Port Authority:	
(Port Fire Protection & Inspection) - -	372,417
Salvage Cover Rental - - - - - - - - - - - - -	2,191
Total	$423,934

BUDGET ESTIMATE
1969 - 70
$24,800,981.00



II
ADMINISTRATION

BUREAU OF ASSIGNMENTS AND COMMUNICATIONS

The Central Fire Alarm Station located in the heart of Jefferson Square, is the headquarters of the Bureau of Assignments and Communications, the "nerve center" of the Fire Department. It is the focal point for directing assignments, details, transfers, working out of classification, vacations and a myriad of other particulars involving movement of personnel. During the hours when the Department Headquarters is closed, many matters normally administered at headquarters are intercepted and processed at this Bureau.

Fundamentally the Bureau of Assignments and Communications is comprised of four centers: (1) Dispatch Center, (2) Communications Center, (3) Information Center and (4) Personnel Center. The functions of each center being so closely interwoven with each other center demands that the personnel of one center be thoroughly familiar with the basic principles of all centers.

Dispatch Center:

All emergency calls for fire, resuscitations, cliff rescues, attempted suicides and other personal disasters which daily effect our citizens are directed to this center. Dispatch officers must quickly evaluate the urgency of the situation and expedite the dispatch of proper equipment to the scene, as well as ascertain what related agencies, whose assistance might be needed, are to be apprised of the emergency, e.g. Police Department, Ambulance, Coast Guard, Public Utilities, etc..

Current status of all Chiefs, Companies and Special Units is continuously maintained on a Dispatch Master Record Board. During fiscal 1968-1969, there were 11,675 Still Alarms, 19,344 Box Alarms, 106 Second Alarms, 39 Third Alarms, 8 Fourth Alarms and 1 Fifth Alarm.

On June 29, 1969, the 10-3-1 was struck recalling the next oncoming shift to duty. The last emergency requiring this type signal to be struck occurred on October 22, 1961. The 10-1 Modified Assignment Signal was struck 14 times during fiscal 1968-1969. The 9-1 First Alarm Deferment Signal was struck 130 Times as compared to 82 times the previous year. Signal "Twenty-Two", which cancels Box Alarms, recalls responding apparatus and places them in service for immediate availability at subsequent emergencies, was struck 12,752 times. Box Alarms received this fiscal year exceeded any year in our Departments history. Our false alarm experience continues to mount at an ever expanding rate. The judicious use of the 9-1 Signal, and the educated application of Signal "twenty-two", has greatly curtailed excessive apparatus movement. Continual study is conducted to combat this menace to both civilian and department personnel, as well as undue depreciation to our equipment.

A rotary file of street locations is maintained in an up-to-date condition. This file lists every San Francisco street, the blocks by number, as well as all intersecting streets, alleys,

Dispatch Center: (Continued)

places and courts. Special cards are maintained for Hospitals, Schools, Hotels and other Places of Public Assemblage. Specific instructions concerning "Hold Boxes", fumigations, street closings (accelerated during Bart construction), water flushings, and other pertinent information applicable to the Dispatch Center are posted for immediate reference.

To insure prompt, accurate and effective response of fire-fighting equipment, officers of the Dispatch Center also coordinate the actions of the Department of Electricity "Key Dispatchers" with the Fire Department Radio Operator Dispatchers.

Communications Center:

Since November 7, 1962 when the Fire Department first assumed full responsibility for the dispatching of men and equipment to fires and other emergencies, Radio operators at this Center have played a major role in such assignments. Each movement of apparatus passes through the control of this operation Field experience, combined with Radio Communications proficiency, insures expeditious response to field requests.

Daily assignments include Radio tests with Base Stations and Mobile Units, as prescribed in the Manual of Radio Procedure, tests conducted by the State Civil Defense Radio System, test of Fire Department Secode Radio System to the San Francisco International Airport, and tests when requested by Radio technicians of the Department of Electricity.

When required by proper authority, Radio operators direct units to specific locations and assignments at fire scenes or other emergencies. Responsibility for prompt compliance with requests received over Department Radio rests with this Center, e.g. (Greater Alarms, Special Calls, High Pressure Calls, Bureau of Fire Investigation, Photo #1, Ambulance, Police, P.G.& E. etc). These requests require not only proper notification and procurement, but are followed by written record of each request activated.

This Center also compiles the "Daily Fire Record and Report of Fire Alarm Form", tabulating all movement of apparatus including Box Alarms, Still Alarms, Special Calls, breakdowns and repairs, noting correct time, location and nature of the incident. This is the official record of Fire Department Response.

To clear a False Alarm Box, as recorded by Department of Electricity records, took a minimum of ten minutes during Fiscal 1962-1963. Today, the average time for this action is less than four minutes. Radio and Signal "Twenty-Two" have added immensely to this reduction, thereby keeping men and vital Fire Department equipment available for Fire service.

Each man at this Center is competent to operate the Communications Unit and capable of interpreting the Sanborn Maps contained therein.

II
ADMINISTRATION

Information Center:

This Center maintains information essential to emergency operation in the Fire Fighting Divisions. Particular and significant importance is the extensive amount of material catalogued and indexed for immediate reference such as technical books, pamphlets, manuals, location of special keys, maps, records, tools and other information invaluable to field operations. Sources for identifying thousands of chemical compounds, their expected reaction under fire conditions and recommended methods of extinguishment are of inestimable assistance to field personnel. Even if only the products trade name is known it is more than proable the inquiring Field Officer will receive ample information for guidance in effective fire practices.

Multi-Channel tapes with recorded information of potential importance, e.g. Greater Alarms, fatalities and other outstanding events are also preserved at this Center. These tapes are often replayed to substantiate repidity of Fire Department response. These tapes continuously record on five tracks which document all Radio transmissions on tracks one and two, all telephone conversations with Assignment Officers on tracks three and four, and the time at one minute intervals on track five.

Gauges equipped with audible alarms are maintained at this Center which monitor any unusual discharge from either Jones or Ashbury Tank of the High Pressure System.

Numerous business concerns have forwarded addresses and telephone numbers of key personnel to be notified in emergencies to this Center. This information has worked to mutual advantage, as such employees are familiar with the building's construction and contents and their presence at the scene often assists in fire approach.

Personnel Center:

Officers of this section of the Bureau of Assignments and Communications, cooperating with Division Chiefs, daily equalize department manpower and, when replacements are available, relocate officers and members between Divisions to augment those companies deficient in strength. The current status of each Department member, e.g. date and rank of promotion, intermittent and annual vacation data, leaves of absence, reassignments and other information required by the Rules and Regulations are immediately posted on each individuals card as changes occur.

Special details are initiated, as authorized, for places of public assemblage, funerals, Honor Guards, Fire College, Fire Details and elsewhere as required.

The monumental task of expediting vacation leaves for each member of the Department cannot be over emphasized. Applications must be prepared in the Fall of each year and sent to each member to be completed and returned for verification. These forms are then evaluated and selection is granted, with senority of service the predominant factor.

Personnel Center: (Continued)

To accomplish this task entails compilation of serority lists for each rank. As each vacation period approaches, orders must be prepared for each Battalion District and each individual company, releasing members from duty for the duration of their respective vacation period and supplying replacements for them as available. Changes of vacation periods, exchanges of vacation between members, use of accumulated vacation time, and intermittent day vacation allowance (first instituted this year) has increased this work load beyond the capacity of the one officer formerly assigned to vacation problems exclusively and has required assistance by detail.

Another responsibility placed upon this Center resulted from the "Like Work - Like Pay" ordinance adopted by the Board of Supervisors. Administration of this Ordinance requires extreme accuracy in personnel movement, plus the additional bookkeeping and preparation of payroll records.

Communications Unit:

At 0800 hours February 20, 1969 Communications Unit No. 1 was tapped in-service, and assigned Joker Code Signal 3-2 No. 1. Its area of response on Second Alarms is bounded by Divisadero and Castro streets on the West, Army street on the South and San Francisco Bay on the North and East. Third or Greater Alarms, response of this Unit is City wide, and in addition, any Chief Officer may request dispatch of this Unit to an incident at which, in his judgement, it is required.

Communications Unit No. 1 is equipped with three (3) Department Radio sets, one (1) Local Government Radio set, one (1) State Fire Network Radio set, two (2) Handi-talkie Portable Units, Sanborn Maps, assignment cards, emergency Water Supply information, High Pressure Maps, Department General Orders plus all Fire Reports utilized by Chief Officers.

Since its initial response to a Second Alarm at Box 1442, February 25, 1969, through June 30, 1969 Communications Unit No. 1 has performed service at 26 Second Alarms, 17 Third Alarms, 4 Fourth Alarms and 1 Fifth Alarm recording 85 hours and 38 minutes of Fire duty.

	Alarm 2-2	Alarm 3-3	Alarm 4-4	Alarm 5-5
Feb.	2	1		
Mar.	7	4	1	
Apr.	9	3	1	
May	4	4	2	
Jun.	4	5		1
Total:	26	17	4	1

Before this Unit was placed in-service, and with the cooperation of the Division of Training and the Radio Committee, it was sent to each Division and Battalion on all watches for indoctrination of personnel

Communications Unit: (Continued)

whose duties eventually would become an integral part in the use of this Unit. An exemplary example of the versatility of this apparatus occurred during a power failure at Central Fire Alarm Station last December. During the period which elapsed before repairs were effected, Communications Unit No. 1 served as the main Radio base station. One Handi-Talkie Radio was taken to the Dispatch Center and emergency information was relayed to the Communications Unit which then broadcasted all Stills and Box Alarms. This incident emphasized the importance of having an immediate substitute availble for KMA 526, our Main Base station.

Personnel of the Communications Unit, when not engaged in fire duty or other responsibilities applicable to the Unit, and being proficient in the operation of all Bureau Centers, are an invaluable aid to the Chief Officer-in-Charge of the Bureau of Assignments and Communications.

Related Activities:

Fire officials from various foreign countries, as well as from many parts of the United States, frequently visit the Bureau of Assignments and Communications. On the occasions a step-by-step explanation of Bureau operations is given which often leads to a provocative exchange of ideas.

Lieutenants, detailed from the field, receive instruction in duties pertaining to personnel assignment and apparatus deployment. Firemen are also detailed to this Bureau for training as Communications Headquarters Radio Operators.

The Chief in charge of the Bureau attends all staff meetings of the Chief of Department as well as conferences with the Deputy Chief, numerous meetings with the Chief of the Division of Administration, and maintains close liaison with the Radio Committee. He also responds to Bureau Headquarters, while off duty, on all fourth or greater alarms of fire, upon notification, as well as on occasion of any unusual circumstance, requiring his attendance at Bureau Headquarters.

Summary

This Bureau is required to expedite all Department matters channeled to it by proper authority. Flexible dispatching techniques, through radio control, play a strong emphasis on the importance of this Bureau in its nerve center complex.

Disemination of information, with strict adherence to Department policy, has placed this Bureau in the midst of administrative authority and general field operations. The Bureau of Assignments and Communications is motivated not only by intra-bureau goals, but also by the total Department objectives necessary for high standards of performance.

II
ADMINISTRATION

Fire Alarm Boxes:

The Department of Electricity installed 8 new fire alarm boxes and removed 7 for a net gain of 1 additional fire alarm box during the past fiscal year.

The total street fire alarm boxes now in service number:

Department of Electricity - - - - - - - - -	1,979
Pacific Fire Extinguisher Co. (Reichel) - -	55
Pacific Auxiliary Fire Alarm Co. (Auto Call)	5
Total-	2,039

Additional assignment cards are maintained for the following auxiliary services:

387	-	American District Telegraph Company Locations
99	-	Pacific Fire Extinguisher Company (American Burglar Alarm) Locations
486	-	Total

Total Fire Alarm Box Assignments - 2,525

General Orders and Teletype:

During the fiscal year 1968-69, 153 General Orders were issued for information, instruction and activation of Departmental policy.

As a supplement to General Orders, the following teletype messages were issued to facilitate Departmental operations:

	1968						1969					
Month	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
No.	399	362	405	468	307	322	434	397	399	404	451	379

Total - 1968-69 - - 4,727
Monthly Average - - 394

The very effective use of this supplemental type of communication is demonstrated by the number of messages dispatched since installation of teletype in 1962:

Year		Monthly Average	Year		Monthly Average
1962	-	204	1966	-	372
1963	-	283	1967	-	369
1964	-	345	1968		397
1965	-	384	1969		394

BUREAU OF EQUIPMENT

Personnel

Lieutenant	1
Firemen	8
Total	9

Apparatus Status:

As of June 30, 1969, the following equipment was in-service or in-reserve in the San Francisco Fire Department.

	In Service	Reserve
1,000 GPM Combination Engine and Hosewagon	5	17
1,000 GPM Triple Combination Pumpers	30	0
1,250 GPM Triple Combination Pumpers	12	0
Hosetenders	4	7
Aerial Ladders - 100 Feet	14	0
Aerial Ladders - 92 Feet	1	0
Aerial Ladders - 85 Feet	3	0
City Service Trailers	2	7
Water Tank Units	0	2
Automobiles - Chief's	16	7
Automobiles - Staff (1-Station Wagon)	31	0
Air Compressor	1	0
Coffee Unit	0	1
Communication Unit	1	0
Fuel Unit	0	1
Fireboat	1	0
Foam Unit	0	1
Hydrant Trucks	22	0
Portable Compressor - 2 Wheel Trailer	1	0
Rescue Co. Trucks	2	1
Salvage Trucks	4	1
Sand Truck	1	0
Service Squads	2	0
Searchlight Engines	1	1
Tow Truck	1	0
Tractors - City Service	2	11
Tractors - Aerials	18	1
Passenger Bus	1	0
Trucks - Delivery	4	0
Trucks - Auxiliary - 500 GPM (Civil Defense)	0	19
Truck - Utility (Airport)	1	0
Trailers - Auxiliary - 500 GPM	0	3
Valve Unit	1	0
Water Towers - Large	1	1
Water Towers - Small	0	2
Hi-Expansion Foam Trailers	0	2
Total	183	85

On Order - Not Received - 1967-68 Budget

3 - Triple Combination Pumpers 1,250 GPM
1 - Aerial Truck - 100 Foot Ladder

Services Performed by Bureau of Equipment 1968-69

Apparatus repaired in shops	378	
Apparatus repaired in quarters	3030	
Bureau of Equipment - Repaired in Quarters	528	
Greased in Shops	163	
Apparatus Tested	48	
Tow Jobs	66	
CO2 Refills	301	
Ansul Refills	83	
Flashlights Exchanges	266	
Gloves Exchanges	1159	Pairs
Goggles Exchanges	493	
Assisted Division of Special Services	143	Days
Greater Alarms Responded To	157	
Cisterns Serviced	0	
Scott Cylinders Delivered	594	
Road Tests	0	
High Pressure Tests	26	
Oxygen Cylinders Delivered	190	
Large Air Cylinders Delivered	52	
Portable Radios Delivered	46	
Miscellaneous	720	

DISASTER CORPS

The Disaster Corps Section of the Department functions in two separate services, Plant Protection and Fire Reserve. Such service is administered by a Battalion Chief selected and assigned to his duties by the Chief of Department.

Plant Protection Service:

The Plant Protection Service is a unit of the San Francisco Disaster Council and Corps. Its prime duties are to develop, within business firms, large buildings, schools, hotels, apartment houses, hospitals and other institutions, programs for organizing and training management and occupants to cope with war-caused and natural disasters.

The Battalion Chief assigned to the Plant Protection Service is responsible for training persons in industrial establishments in basic firefighting functions. He can and does serve a dual purpose in On-the-Spot Training of Shelter Managers, Radiological Monitors and Firefighting Forces available within the various large buildings of San Francisco. He is assisted by one Fire Department Lieutenant in this function.

II
ADMINISTRATION

In conjunction with the National Fallout Survey and Marking Program, licensed fallout shelters designated by government contracted engineers are inspected and approved before stocking and marking. The personnel assigned to the Plant Protection Service are the prime representatives of this unit relative to contracts with various licensed shelters and are instrumental in obtaining licenses for buildings not previously licensed.

The following is a breakdown of the principal services performed by the Plant Protection Service during the fiscal year 1968-69:

1.	Shelter visits - - - - - - - - - - - - - - - - - -	140
2.	Number of individuals contacted on Shelter Visits -	222
3.	Talks and Demonstrations in safety and use of First Aid Fire Appliances - - - - - - - - - - -	43
4.	Number of people trained under Section #3 - -	1,188
5.	Examined and replaced RADEF Monitoring Kits in shelters - - - - - - - - - - - - - - - - - - -	13
6.	Inspected shelters for stockpiling - - - - - -	90
7.	Stocked shelters - - - - - - - - - - - - - - - - -	20

Also during the fiscal year 1968-69, during the months of July and August, 1968, the Plant Protection Service personnel were responsible for the supervision, instruction and activities of 21 members of the Neighborhood Youth Corps.

Fire Reserve:

The members of the San Francisco Fire Department Fire Reserve are a group of dedicated patriotic citizens. Their services are volunteered to the City and County of San Francisco without remuneration.

The majority of the top officers of the Fire Reserve have served since the Reserve's inception during World War #2. The Fire Science Class at San Francisco City College has been a major source of recruits during the past year.

These men are a group of specially selected and trained citizens. Training exercises are held weekly throughout the year. The Reserve also receives on-the-job training by assisting the San Francisco Fire Department in the extinguishment of multiple alarm fires.

Fire Reserve: (Continued)

In the event of hostile military action, or of a natural disaster, the Fire Reserve will be greatly expanded to assist in the safeguarding of the lives and property of all our citizens. The present membership will be the nucleus of any required augmented expansion of this organization.

Mobile equipment of the Reserve consists of nineteen 500 G.P.M. pumping engines. Each pumper is equipped with one thousand feet of 2-3/4-inch hose and two hundred feet of 1-1/2-inch hose. Reserve pumpers are designed to pump from fire hydrants and to draft from lakes, ponds, cisterns and the San Francisco Bay.

The Reserve also has available four-thousand, eight-hundred feet of six-inch aluminum pipe for use as portable water mains during any emergency. Thirty-eight hundred additional feet of this aluminum pipe and a semi-trailer were secured this past year. These portable water mains and the semi-trailer are the property of the California Disaster Office. Should the need arise, additional pipe may be secured from other storage depots throughout the Bay Area.

The Fire Reserve Program is under the supervision of a Battalion Chief of the San Francisco Fire Department.

Membership:

June 30, 1969	71
(Active)	62
(Inactive)	9
(New Members)	19
(Resignations)	14

Activities:

Training Exercises	43
Total Attendance	981
Man Hours - Training	1978
Pumpers Used - Training	101

Greater Alarms Responded to:

Total	42
Attendance	444
Man-Hours of Work	1172

PUBLIC RELATIONS AND EDUCATION

Throughout the past year our public relations and educational program continued in assignment to thoroughly acquaint the public with all phases of Fire Department activity and with fire safety precautions. Particular emphasis was placed on the program during National Fire Prevention Week in October.

Numerous educational addresses, demonstrations, and film showings on fire safety and prevention practices were made before school assemblies, clubs and other public organizations by the Bureau of Fire Prevention, Division of Training and the Disaster Corps agency of the Fire Department. This facility is in constant demand by the public and has proven of great value to municipal relations.

Much of the success of the Department public relation and educational program has been due to the dedication of Inspector Chester D. Born, S.F.F.D. Official Photographer. His photographs and movie film of Fire Department operations have been nationally acclaimed throughout the fire service. Their use in our training program alone, has been invaluable. A brief summary of this activity is recorded as follows:

Responses:	1967-68	1968-69
Total Alarms Responded to:	768	769
First Alarms	487	443
Second Alarms	83	93
Third Alarms	28	37
Fourth Alarms	9	6
Fifth Alarms	0	0
Still Alarms	143	190
Rescue Operations	107	130
Fire Investigation Bureau	39	51
Fire Prevention Bureau	8	7
Accidents Involving Fire Dept Apparatus	18	27
Responses, San Francisco Airport	8	6
Damage to Apparatus, Civil Disobedience	6	8

Public Education and Information:

S.F.F.D. Photographs appeared in the following newpapers:

S.F. Examiner
S.F. Chronicle
Catholic Monitor
Burlingame Advanced Star
S.F. Progress
S.F. Argonaut
San Mateo Times

S.F.F.D. Photos appeared on the following T.V. Stations:

KGO KPIX KRON

S.F.F.D. Photos appeared in the following Magazines and Pamphlets.

Fire Engineering
N.F.P.A. Firemen Magazine
Fire Station Digest Magazine
Western Fire Journal
City and County Record
Calif.State Firemen's Assn.
Fire Boat Photos for Book
On Bay Crafts

S.F.F.D. Fire Slides and Movies were shown to the following organizations:

Chief, Deputy Chief and Fire Commissioners
Probationary Classes, Division of Training
Staff, Division of Training

Engine Co. 10
Engine Co. 14
Park-Presidio Lions Club
Santa Cruz County Firemen's Association at Watsonville
Northern California Arson Investigators at Clear Lake
Northern California Training Officers Assoc. Millbrae
San Francisco Underwriters Forum
San Mateo County Insurance Agents at Daly City
Park-Presidio Optimist Club
Sacred Heart Fathers Club
Independent Order of Eagles Annual Fire Dept. Nite at Oroville

Numerous showing of films were also made at the Fire College and at Company Drills for training and information purposes.

Throughout the year reported, the services of the Fire Department Photo Unit was also extended to many other municipal offices, including the Mayor's Office, Homicide, Traffic and General Works Detail, S.F. Police Department, California Highway Patrol, U.S. Department of Justice and the U.S. Coast Guard as well as to allied fire service agencies and civic organizations in the interest of intra-departmental and public relations and education.

Fifteen exhibits of Fire Photos, both color and black and white, were distributed during Fire Prevention Week and photos also displayed during Fire Department Recognation Week.

COMMUNITY RELATIONS BUREAU

In 1965, the Fire Commission created an informal Community Relations Unit to establish a closer rapport with the general public, and in particular with the minority people.

This Unit was placed under the direction of a Battalion Chief, who served as the "Coordinator (of) Community Relations". The Coordinator worked with the various Department members engaged in various phases of assigned duty, or with volunteers. He was assisted by one member assigned full time to do the necessary stenographic and clerical duties.

The Community Relations Bureau was formally established April 29, 1969 with the appointment of a full time Director, Earl J. Gage, H2 Fireman.

The goals of the Fire Department Community Relations Bureau are best explained in the following bulletin issued by Director Gage on May 14, 1969:

COMMUNITY RELATIONS BUREAU
SAN FRANCISCO FIRE DEPARTMENT

Issued - May 8, 1969 Community Relations Bulletin No. 1

- -

The question may have arisen by some members of our Department as to why the San Francisco Fire Department has to have a Community Relations Bureau, and why we have to get involved in community problems - After all "we're firefighters and we do our job".

To promote further understanding, it is important for our members to know that all urban fire departments are facing the same problems we are, and most, if not all, are also launching strong community relations efforts.

The following article is reprinted from the January, 1969 edition of FIRE FIGHTER magazine published by the International Association of Fire Fighters.

JOINT IAFF-AFL-CIO COMMUNITY RELATIONS PROGRAM UNDERWAY IN DAYTON

Professional fire fighters of Dayton, Ohio, are on the road to becoming trained counselors for the communities and neighborhoods they serve, thanks to a new program which is already being hailed as a tremendous success.

Prime movers in the operation are the International Association of Fire Fighters and the AFL-CIO Community Service Activities department. Working in close cooperation are the Dayton City Government and a number of the city's welfare and service organizations.

The objective is simple; Make each fire fighter a trained referral specialist, who can direct piople with troubles to the city or private agency best able to provide counsel or help.

The plan offers a new means of communication in neighborhoods which in recent years have shown unexpected hostility to fire fighters.

But there is hope this may change if fire stations become centers for friendly guidance for citizens of the neighborhood as well as headquarters for fire fighting.

In Dayton, 88 members of Local 136 of the Fire Fighters invested 21 hours of time over a seven-week period for a series of classes and seminars, which were held right in the fire station.

The fire fighters, through their briefings, learn where to refer citizens with complaints like: "...My wife is despondent and I'm afraid she might try suicide." "My father-in-law is becoming an alcoholic; what shall i do?" "Where can I get some decent clothes so I can apply for a job?"

Community Relations Bureau - Bulletin No. 1 (Continued)

In many of these cases, the fire fighters will be able to make appointments with the proper person at the social agency, and cut through delays and red tape. AFL-CIO Community Services' people point out, in addition, that many citizens -- particularly those in lowest income areas -- have only the scantiest knowledge of the services available to them in the city.

At a dinner early in December at Fire Station 10, where the first "graduates" got their Certificates of Merit Awards, representatives of the AFL-CIO, the IAFF, and the City of Dayton were present.

The IAFF's interest in the program was emphasized by Secretary-Treasurer Albert E. Albertoni.

"We are public servants -- but more than that, we try to be the public's friend and the public's protector."

"This AFL-CIO community services program is another opportunity for you to sell the fire service to the public. The people who need service will benefit, and you will benefit," he told members of Local 136.

And he reminded the fire fighters, "Public support is closely related to political support for the economic goals of the fire fighters union."

Albertoni, who was a last-minute substitute for President W. H. McClennan, who had come down with the flu, said that projects like the community counseling may some day indirectly help to win a disparity fight, because of the public support won for the union by its activities.

"Congratulations on your courage, intelligence, interest, fortitude and willingness to pioneer," Albertoni said. "And my compliments to your city government, to your fire department and to Local 136."

Chief Louis Rozsa of the Dayton Fire Department voiced hope that every fire fighter in the city would have a similar certificate before many months.

President Claude Henley of IAFF Local 136, which sponsored the program, announced proudly that "Dayton is Number One" in the nation, so far as the Fire Fighter community service program is concerned. (Similar programs are in the planning stage in Birmingham, Alabama; Bridgeport, Connecticut; Des Moines, Iowa; and New Orleans.)

"This is a service to the community, and anthing that enhances service benefits the community," He said.

Robert Rosekran, assistant director of the AFL-CIO Community Services Department, noted that 60,000 union counselors have been trained in 100 communities, with the voluntary goal of steering people with a personal problem to the agency with the solution.

Community Relations Bureau Bulletin No. 1 (Continued)

San Francisco's Fire Department objectives are the same as those of Dayton and other Municipal Fire Departments.

1. Provide better service to the community.

2. Reestablish the Fire Fighter's image as that of a friend as well as a protector.

3. Open lines of communication in neighborhoods, which, in recent years, have shown unexpected hostility to Fire Fighters.

4. To encourage public support for the career and salary aspirations of the Fire Fighters.

* * *

EARL J. GAGE - DIRECTOR
Community Relations Bureau

Approved for Posting
William F. Murray
Chief of Department
San Francisco Fire Dept.

The following meeting were attended by Director Gage to effect administration and policies for the above objectives:

Fire Commissioners Meeting: Tuesday, May 6, 1969

Purpose: To Establish and discuss Community Relations Program

1. School Visitation Program by firemen and apparatus
2. Exposure of black firemen presently in San Francisco Fire Department
3. Meeting with Civil Service Commission, to expedite entrance examinations
4. Decoration of fire stations during Xmas season
5. Additional funds for Photo Unit
6. The institution of a summer work program

Fire Commissioners Meeting: Tuesday, May 20, 1969

Purpose: Discuss the funding of Fire Station Assistance Program

II
ADMINISTRATION

Meeting: Fire Fighters Local 798 (International Assn. of Fire Fighters) May 22, 1969

Purpose: Attended a special general membership meeting of Fire fighters Local 798, to discuss Community Relations Bureau Program

Votes were taken on three (3) points of the program Points voted on:

1. School Visitations - (Yes)
2. Fire Station decoration during Xmas season - (No)
3. Fire Station Assistants for the summer work program - (NO)

Meeting: United Crusade Bldg, May 26, 1969, 2015 Steiner Street

Purpose: Meeting called by S.F. Dept. of Social Service & Community Service Division, for purpose of discussing the possibility of forming a central agency for the distribution of Xmas toys.

Fire Commisioners Meeting: Tuesday, May 27, 1969

Purpose: Discuss Community Relations Bureau Program as viewed by the Union (Local 798), Membership.

1. Commissioner Bernstein suggested that the vote and decision of the union membership be honored and that the Chief send out a directive to all Fire Stations, so directing that any station so inclined, may decorate their Fire Station during the Xmas season.
2. Funds for Fire Station Assistants Program - indicated that Commissioner Bernstein would seek the necessary funds for the program through the Mayor's Office.
3. Arranged meeting with Commissioner Bernstein and Orville Luster of Youth for Service, for purpose of seeking funds for Fire Station Assistant Program.
4. Photo Printer for Photo Unit.
5. Office Space for Community Relations Bureau.

Meeting: San Francisco City College, Tuesday, June 3, 1969

Purpose: To discuss an outline of the proposed Fire Department Community Relations Program Course of study at City College.

It was agreed that twenty-five (25) firemen, selected by the Chief, should attend the proposed course of study at San Francisco City College as a pilot program, to discuss problems and condensing course content on video-tape for viewing of all fire stations. Pilot program was set for July 7, 1969.

II
ADMINISTRATION

Meeting: Fire Commissioners' Office, June 10, 1969

Purpose: Discuss the demolition of vacant and uninhabited buildings owned by the redevelopment agency in the A-2 area. It was decided that the Director of Community Relation Bureau of San Francisco Fire Department meet with Western Addition Community Organization, to explain why it is essential that those buildings which represent a fire hazard, be demolished as soon as possible.

Meeting: Benjamin Franklin Junior High School, June 14, 1969

Purpose: Discuss the immediate demolition of some forty (40) buildings in the A-2 area, because these buildings posed a fire hazard.
It was decided that a committee composed of one (1) person from WAPAC, one (1) person from Redevelopment Agency, and one (1) person from San Francisco Fire Department, would inspect said buildings and send the recommendations to WAPAC General Board of Govennors, for their approval.

Meeting: KSFO Radio Station, June 23, 1969

Purpose: Discuss with Mr. Don Sherwood conducting a "Man on the Street" survey on what the people think about the San Francisco Fire Department. What could be done to improve the image of the San Francisco Fire Department. Mr. Sherwood agreed to participate and indicated that he would interview at least fifty (50) people on the street, who represent a cross section of San Francisco.

The School Visitation Program was authorized in May, 1969 and is to be conducted by the Bureau of Community Relations. This program shall require the participation of fire fighting companies in the area of the school selected. Said fire fighting companies shall include special apparatus and their men (water towers, etc), Hi-Ex Foam Units, Searchlight Units and Service and Rescue Squads. The program will include the showing of the film "The Fire Fighters" and visits to classrooms by firemen in the area of schools selected for the purpose of discussion.

SECOND ANNUAL FIRE DEPARTMENT ART EXHIBIT

The second annual art exhibit was held from October 24 through October 27, 1968. The art exhibit was sponsored by the Fire Commission, Chief of Department and San Francisco Firefighters Union Local 798, all of whom contributed money for the prizes.

Through the courtesy of the Bank of Tokyo of California, this year's art exhibit was held in the second floor of the Japanese Center's East building. The location made it possible for thousands of visitors to the Japanese Cultural Center to view the Fire Department's art exhibit. These visitors were very impressed with the skill and variety of works.

Approximately 45 pieces were submitted for this year's art exhibit. They included paintings, sculptures, drawings, collages and photographs. Mr. Francis Coehlo, Chairman of San Francisco State College Art Department, and Mr. Thomas Albright, Art Critic of the San Francisco Chronicle, graciously accepted the responsibility of judging this exhibit. The first prize of $125 was awarded to Fireman Frank Scarpulla for pencil sketches of his children at play. The second prize of $100 was awarded to Fireman Orrin Butler for his charcoal landscape of a Marin County setting. Third prize of $75.00 was awarded to Fireman Bob Fennell for a stone sculpture of a Franciscan monk. The five honorable mentions were won by Fireman Roger Monks (two), Fireman Bob Petersen, Fireman Bob Fennell and Captain Charles Shaw.

FIRE LEAGUE ATHLETIC & MUSICAL EVENTS - (F.L.A.M.E.)

This athletic organization is being sponsored by the San Francisco Fire Department and its members as a means to keep children between the ages of 8 to 16 involved in various sports such as baseball, basketball and water safety swimming programs. Tenative dates for the programs are: July - Swimming, September - Baseball, and December-Basketball.

The pilot program for the various sports will involve approximately 300 children, both boys and girls, with plans to increase this number greatly next year. All instruction, coaching and managing will be done by firemen who will volunteer their off-duty time.

Through this program we will attempt to acquaint these children with the Fire Department and its members on a more personal basis by working with and knowing each other.

II
ADMINISTRATION

San Francisco Fireman's Junior Band:

The San Francisco Fireman's Junior Band has 50 members, both boys and girls, ages 13 to 20 years, under the Directorship of Mr. Donald McKenzie. They will eventually become 123 in number. This group will be both a Marching and Concert Band which will travel throughout the State.

Expenses are paid through voluntary donations and a reserve fund will be set aside toward giving out Musical Scholarships to the members of the band for any instructions of their choice under private teachers where the member shows unusual talent.

Fire Service Recognition Day:

The Honorable Joseph L. Alioto, Mayor, in coordination with all cities throughout our Nation, proclaimed May 10, 1969 as "Fire Service Recognition Day".

It was a day that offered the Fire Department an unusual opportunity to display to the public the professional fire fighting and rescue services available to them through the Fire Department of San Francisco.

The program consisted of the following:

1. All fire stations were open to the public between the hours of 1000 to 1600 hours. Posters announcing "Fire Service Recognition Day" were distributed and displayed at all fire stations.
2. Photographs, taken by the Department Photo Unit, were displayed in various fire houses throughout the city.
3. The Department record of alarms was recorded on station blackboards or posted cards to make the public more aware of the ever increasing incidents of response and service performed by the Department.
4. On display in the drill yard of the Fire College were all of our special apparatus, while in the auditorium of the Fire College the film titled "Fire Fighter" was shown.
5. The Fire Department Museum was open from 1000 hours to 1600 hours for those who cared to view the many items of our heritage displayed therein.
6. At the quarters of Fireboat No. 1, the Fire Department Scuba Team periodically demonstrated underwater rescue, surface rescue and water surface fire fighting techniques.

II
ADMINISTRATION

COMMITTEE REPORTS

Advisory Board:

The advisory Board is now in its thirteenth year of service, consisting of an Assistant Chief, three Battalion Chiefs, three Captains, two Lieutenants, and eleven Fireman. A Battalion Chief is selected to serve as Board Chairman and a Fireman is selected to serve as Secretary. All members are selected after being nominated by department officers. All terms of office are for one year. Members attend one meeting monthly.

Members of the Department are encouraged to submit suggestions to the Advisory Board in writing. These suggestions are then reviewed by the Board and either accepted, rejected, or assigned to a committee for further study. Those suggestions accepted by the Board are forwarded to the Chief of Department for his consideration and further evaluation.

During the past fiscal year the Advisory Board received 44 suggestions from members in the field and from Board members themselves. The following suggestions have been adopted by the Department, after approval by the Chief of Department:

1. Issuance of a revised study scope for the future Assistant Chief and Battalion Chief promotional examination.

2. Implementation of an easily identifiable system of designation for Command Post units.

3. Consolidating the vacancy slips into one form.

4. Announcement of the status of all boards at various intervals by Radio has been implemented.

5. Implemented the use of large portable burning units stored in the quarters of both Rescue Squads for Sunday Truck Drills, when requested.

Suggestions Received	44
Recommendations to Chief of Dept.	17
Forwarded to other SFFD Committees	6
No action by the Advisory Board	10
Suggestions under submission	11

The Advisory Board has also been selected to sit as a Public Recognition Award Committee at the direction of the Chief of Department. The committee reviews reports of outstanding assistance rendered to the Fire Department by citizens other than members of the Department and recommends to the Chief of Department the person or persons to whom an award should be presented. Presentation of awards is made at the discretion of the Mayor.

II
ADMINISTRATION

Safety Committee:

1. Injuries:

The total number of injuries for the Fiscal Year 1968/69 were 499, a decrease of 70 from the previous Fiscal Year. These injuries were classified as follows:

Temporary Disabilities - - - - - - -	497
Deaths (In line of Duty) - - - - - -	2
	499

2. Vehicular Accidents:

The Department vehicular accidents increased from 116 in the 1967/68 Fiscal Year to 135 during the 1968/69 Fiscal Year. This is an increase of 19 accidents during the last fiscal year. Of these 135 accidents 79 occurred during Emergency response, an increase of 32 from the previous year. 30 of these accidents occurred while responding to False Alarms, and 18 occurred while returning from alarms.

Again the cause of greatest concern from the Safety standpoint are accidents which occur while proceeding through intersections against "STOP & GO" signals and through Arterial Controlled intersections. The Department had 32 accidents while proceeding through these types of intersections.

Lost work days due to injuries sustained in vehicular accidents increased from 43 lost work days during the 1967/68 Fiscal Year to 166 during the 1968/69 Fiscal Year.

3. A further more complete report on Injuries and Accidents will be completed and forwarded to all Companies at a later date.

4. Safety Shoes:

Questionaires were sent to all members that had received Safety Shoes during the 1966/67 Fiscal Year, for their evaluation of these shoes after 3 years of service. One new pair of Full Safety Shoes from the Lehigh Safety Shoe Company was received for testing by the Department during the 1968/69 Fiscal Year.

5. Miscellaneous

Experimented with Safety Walk Adhesive, placing pieces on Rescue Company #2 and the Fireboat.

Inaugurated Accident Investigation meetings at the Fire College.

Researched helmets to protect firemen from civil disturbances and fire.

6. Attended:

California Safety Congress at the Jack Tar Hotel

Central Safety Committee Meetings

19th Annual Governor's Industrial Safety Conference

Radio Committee:

Due to economic reasons, budget restrictions, the budget appropriation for radio equipment for fiscal year 1968-69 was kept to a minimum. Only sufficient funds were appropriated to purchase eight (8) mobile radios. The General Electric Company was awarded the bid for this purchase.

A paging system, provided by the Motorola Corporation, was installed at Central Fire Alarm Station for the use of the Chief of Department and the Deputy Chief of Department.

Meetings were held with the Radio Division of the Department of Electricity to discuss future radio needs of the Fire Department and to keep abreast of new communications equipment being developed that may be of use to the Fire Department in its operations.

Educational Committee:

The Fire Science Technology program at City College, San Francisco, has completed its third year of operation and the program continues to expand. This is the largest program of its kind in the State of California, as we conduct our "In Service" classes independent of the "Pre-Employment" groups. In some isolated cases, where some of our "In-Service" people need but a few units to achieve their Associate-in-Arts Degree, we have permitted them to participate with the "Pre-Employment groups".

The past year was most gratifying in that we placed several of our "Pre-Employment" students in the fire service. Two are now members of the San Francisco Fire Department. Two are now Berkeley firemen with a third eligible to be appointed to that department. Daly City has three of our graduates. One is in Martinez, and four others graduates are working in the fire alarm services in San Francisco.

With the lowering of the entrance age for San Francisco fireman to 20 years for probationary appointment, several of our eligible students have successfully passed all phases of the current entrance examination and at the time of this report they are starting through the Oral board examination. These results should make available to our Department some excellent probationary members.

Educational Committee: (Continued)

During the past year, City College graduated 18 students with an Associate-in-Arts Degree in Fire Science Technology, and in addition, all of these graduates also earned the coveted "Certificate of Proficiency", for maintenance of a required scholastic average in City College grades.

Ten (10) separate subjects were offered during the Fall term of 1968, with a total of 286 participating, eighty (80) of which were "In-Service" personnel. The Spring 1969 semester offered eight subjects, with an attendance of 219 completing the semesters work. The reduction in attendance was occasioned by the anticipated examinations for promotion to Captain and Lieutenant; (we deliberately offered but one subject for "In-Service" personnel during this time). This course was "Hazardous Chemicals, 64a".

Staff personnel continued with Captain A.A. Potter as Coordinator and Fireman Martin Kilgariff as the key instructors. In addition, Lieutenant Charles Hallstrom, Inspectors Peter Foley, Harry Soden and Nick Katchez conducted classes in their specific field. One particularly important and long desired subject was given in the subject of Report Writing, #74, which was taught by Mr. Don Peterson (a former San Francisco Fireman) and Fireman Martin Kilgariff.

Doctor Manfred Naumann, of City College Staff, conducted the "Physical Science of Fire Technology (Hazardous Materials I, 64a) Class" for the "In-Service" classes and was extremely well received by all personnel attending. We were most fortunate to again have Mr. Eugene Roberts of the Chemistry Division conduct the Physical Science of Fire Technologh, (Hazardous Material II, 64b), for the "Pre-Employment program.

Once again, we thank President Conlan, Vice President Batmale and our new Dean, Dr. Jack Aldridge of City College for their increasing support of our joint program. The excellent cooperation on the part of all staff personnel of City College is fully appreciated, for without the help we have received from them, our program could not have been so successful.

Note: The Fire Science Technology staff, for the second year, conducted a Summer school program consisting of six weeks in #50, Introduction to Fire Protection. This program is offered to senior High School Students as well as to anyone interested in the fire service. Those passing the course receive three (3) units of City College credits.

S.F.F.D. Pioneer Memorial Museum:

The San Francisco Fire Department Pioneer Memorial Museum was Officially dedicated on October 5th, 1964. It is located adjacent to the quarters of Engine Company #26 and Truck Company #10, 655 Presidio Avenue and is open to the Public daily, from 1300 to 1700 Hours.

S.F.F.D. Pioneer Memorial Museum: (Continued)

During the period from July 1, 1968 to June 30, 1969, 4,534 guests visited the Museum.

Numerous school children of San Francisco have made regular visits to the Museum in connection with their studies. Other groups of children include: Boyscouts, Cub Scouts, Girl Scouts, Recreation Centers, Social Development Centers, Senior Citizens, and members of Historical Societies. People from various states and many foreign countries have also visited the Museum.

Information regarding the Museum was forwarded to various individuals in the United States at their request.

The Museum was visited by members, retired members and relatives of members and deceased members of the San Francisco Fire Department.

Through the gracious efforts and contributions of members, retired members, relatives of deceased members, interested citizens of San Francisco and the members of the Historical Societies of San Francisco, the Museum stands today as a great memorial.

Miscellaneous:

During the fiscal year 1968-69, 68 letters of commendation were received in the office of the Chief of Department relative to Department action at various emergencies. These commendations were all recorded through the office of the Fire Commission and copies were distributed to responding units involved.

Contributions to the amount of $1772.50 were also received at the office of the Chief of Department for deposit to the Widows' and Orphans' Aid Association of the Fire Department. These contributions were also duly recorded through the office of the Fire Commission and were given to the Secretary-Treasurer of the Association for deposit and record.

SPECIAL SERVICES

ENGINE 17 - TRUCK 1
RESCUE 1

III
SPECIAL SERVICES

The Division of Special Services administers department programs relating to land acquisition and disposal, station construction repair and maintenance of all department properties, development of the six-year Capital Improvement Program, supervision of the Bureau of Engineering and Water Supply, related research and planning and special projects assigned by the Chief of Department.

1964 FIRE DEPARTMENT BOND ISSUE

Proposition "C" the Fire Department Bond Issue was approved in 1964 and provided the sum of $4,890,000.00 for construction of a new Headquarters Building and several new Fire Stations. Present status of the construction program is as follows:

Completed Construction

San Francisco Fire Department Headquarters — 260 Golden Gate Avenue

Architect:	Albert F. Roller
Contractor:	M & K Corporation
Cost:	$1,115,000.00
Completed:	May 1, 1967

Engine Company No. 28 — 1814 Stockton Street

Architect:	William B. Fox
Contractor:	Leon Carlen
Cost:	$256,000.00
Completed:	July 7, 1967

Engine Company No. 7 — 80 Digby Street

Architects:	Rockrise and Watson
Contractor:	Stenmark Construction Company
Cost:	$310,000.00
Completed:	January 22, 1968

Under Construction

Engine Company No. 17 - Truck Co. No. 1 — 416 Jessie Street

Architect:	S.F. Bureau of Architecture
Contractor:	Leon Carlen
Project Allotment	$477,500.00

Engine Company No. 43 — 720 Moscow Street

Architect:	Robert Hawley
Contractor:	Nibbi Brothers, Inc.
Project Allotment	$394,900.00

SPECIAL SERVICES

Under Construction (Continued)

Engine Company No. 46 — 441 - 12th Avenue

Architect:	S.F. Bureau of Architecture
Contractor:	Kenneth A. Lind
Project Allotment	$80,500.00

Related Construction

New construction planning, not covered under bond funding relates to possible relocation of Engine Company No. 1, Truck Company No. 13 and Engine Company No. 35 and Truck Company No. 8.

Construction of the Fourth Street overcrossing requires the demolition of the present station located at Bluxome Street. Tentative plans are under study for location of a new station on nearby surplus land that has been offered for use by the State.

The present location of Engine Company No. 1 presents an obstacle to the planned development of the Embarcadero Center Project. Proposals are under review for a new station in the vicinity of Sansome and Washington Streets.

REPLACEMENT AND RECONSTRUCTION
CAPITAL IMPROVEMENT
MAINTENANCE AND REPAIR

Funds for replacement and reconstruction, maintenance and repair are included in the Budget of the Department of Public Works based on requests initiated by Company Commanders and other Department officials.

Capital Improvement Projects are initiated by this Department and developed in coordination with the City Planning Department for inclusion in the Recommended Six-Year Capital Improvement Program. Projects funded for the current fiscal year total $123,800.00. An additional source of funding for necessary construction projects has been provided by the recent authorization of multi-purpose bond issue, which will appear on the November Ballot for the first time.

During the 1968-69 Fiscal Year, 1,145 repair maintenance or service requests were processed by the Division of Special Services. In addition, other scheduled repairs and replacements were effected by various City Departments on specifically budget items.

RESEARCH AND PLANNING

Research and Planning Programs of the Division of Special Services have been oriented to building planning, water supply repairs and expansion, redevelopment areas, traffic problems, and closing or vacating of city streets. Other areas covered investigations and

recommendations concerning Bay Area Rapid Transit, Market Street Design Study, Rapid Transit Sub-Corridor Study, proposed freeway routes, joint land use studies, Northern Waterfront Development Study, Yerba Buena Center Study, development of proposed A.W.S.S. Expansion Bond Issue, San Francisco Building Code Review, etc.

The Division represents the Department at various meetings throughout the year, including Inter-Departmental Staff Committee on Traffic and Transportation, Rapid Transit Utilities Committee, Transit Insurance Administration, Planning Committee and scheduled meetings of the Board of Supervisors.

BUREAU OF ENGINEERING AND WATER SUPPLY

The Bureau of Engineering and Water Supply is responsible for the planning, management, operation, maintenance and repairs of the various water supply systems which are used for supply of water for fire combat. Among the responsibilities of the Bureau are the following:

1. Auxiliary Water Supply System (High Pressure System) which supplies fresh water for fire combat only. It also can supply salt water from the Bay should the fresh water supply become inadequate or fail.

2. Low pressure fire hydrants which supply fresh water for fire combat. These hydrants are connected directly to the San Francisco Water Department mains.

3. Underground Cisterns.

4. Dry Standpipes installed on multi-story buildings. These standpipes are hydrostatically tested and periodically serviced by Bureau personnel.

AUXILIARY WATER SUPPLY SYSTEM (HIGH PRESSURE SYSTEM)

The Auxiliary Water Supply System, an independent water supply system, is used solely for fire fighting purposes and is maintained by the Bureau of Engineering and Water Supply.

It consists essentially of:

Pumping Station No. 1 (Salt water supply)
Pumping Station No. 2 (Salt water supply)
Twin Peaks Reservoir - Elevation 758-feet
Ashbury Tank - Elevation 494-feet
Jones Street Tank - Elevation 369-feet
114 miles of high pressure water mains
1,379 High Pressure Hydrants
150 Underground Cisterns
Pipe Yard
Fireboat "Phoenix" for emergency salt water supply

SPECIAL SERVICES

All pumping equipment and appurtenances have been kept in good repair at both Pumping Stations and on the Fireboat "Phoenix".

Waterproofing and painting were performed at Jones Street Tank and the interior of Pumping Station No. 2 was painted.

All gate valves, hydrants and other appurtenances of the System mains have been regularly serviced and repaired. A large number of pipe-line leaks have been repaired. Numerous relocations and realignments of mains in connection with BARTD and Redevelopment projects have been carried out during the year. Numerous minor realignments of mains also have been made to accommodate the construction of new multi-story buildings, streets and sewers. Two new blocks of high pressure main have been added to the system and one block of main with one hydrant has been removed from the system.

LOW PRESSURE FIRE HYDRANTS

The Bureau is responsible for the maintenance and repair of the low pressure fire hydrants, hydrant gate valves, and associated piping. During the past year, 70 new low pressure hydrants were installed, 11 were permanently removed from the system, and 48 low pressure hydrants were relocated. A total of 7,668 low pressure hydrants are in-service.

UNDERGROUND CISTERNS

All of the 150 Underground Cisterns were inspected monthly, left full of water and ready for emergency fire service. The average cistern holds 75,000 gallons.

DRY STANDPIPES

During the fiscal year 38 new dry standpipe installations and 15 existing standpipes which were repaired were pressure tested before acceptance by the Bureau. All existing standpipes were serviced and kept in proper operative conditions. With the addition of 38 new installations and the permanent removal of 11 existing ones from razed buildings, the total number of building standpipes is 4,204.

PERSONNEL CHANGES

Charles T. Stewart was appointed as Chief Stationary Engineer of Pumping Station No. 1 on August 1, 1968.

BUREAU RECORDS

In order to maintain up-to-date records, all permanent low and high pressure hydrant data have been taped for the City Hall Computer. Maintenance data will be fed into this record on a continuing basis. Complete or partial print-outs can be obtained on short notice.

FIRE PREVENTION AND INVESTIGATION

FIRE PREVENTION AND INVESTIGATION

BUREAU OF FIRE PREVENTION AND PUBLIC SAFETY

The Bureau of Fire Prevention and Public Safety consists of a Chief of the Division of Fire Prevention and Investigation, a Captain, three Lieutenants and 27 Fire Inspectors. From this overall number, one Lieutenant is detailed as State Port Authority Fire Marshal, one Lieutenant and two Inspectors are detailed to the Bureau of Building Inspection, in compliance with Charter requirements, one Inspector assigned to the F.A.C.E. program of Urban Renewal and one Inspector detailed to the Division of Administration and assigned to the Photo Unit.

The Assistant Chief in charge of the Division of Fire Prevention and Investigation has general supervision over both the Bureau of Fire Prevention and Public Safety and the Bureau of Fire Investigation. He is responsible to the Chief of Department for the administration of the Division and submits a monthly stastical report to the Commission and the Chief of Department as required by the Rules and Regulations.

The Captain is charged with supervising the Lieutenants, Inspectors and the general office personnel employed by the Department. He represents the Department at the Board of Permit Appeals and other required Board and Commission meetings. The Captain is responsible for Time Roll and daily journal entries regarding Bureau functions.

The Lieutenants supervise and instruct Inspectors in matters pertaining to their various duties, examine and approve daily work reports, log plans in and out referred to the Bureau of Fire Prevention for review and approval from the Bureau of Building Inspection, assist Inspectors in inspection problems, enforcement of codes, plan checking and in reviewing building specifications. They represent the Department at the Board of Examiners and various other meetings as designated to attend by the Captain.

The Inspectors daily work routine consists of inspections of premises necessary for fire clearance and accrediation by the State Fire Marshal in Schools, Hospitals, Nursing, Aged and Mental Hygiene Homes and for City and County Fire Clearance for child care, nursery care, etc. All complaints received regarding hazardous situations are investigaged and, if found to be legitimate, are processed for abatement. Reports from Battalion Chiefs of buildings in their respective districts are investigated and code violations and hazardous situations are corrected whenever possible.

Forty-seven different permits to operate businesses or to use hazardous material are issued by the Fire Department and are investigated by District Inspectors. Most Fire Department permits issued, as well as any other approved fire clearance are approved only on an annual basis and require re-inspection at least once annually. Approximately thirty three permits or licenses are investigated for Fire Clearance by the Bureau of Fire Prevention for other City Departments or State Agencies, which include the Police Department, Department of Public Works, Department of Public Health, and the State Fire Marshal.

IV
FIRE PREVENTION AND INVESTIGATION

Routine Inspections of most occupancies are made to check for hazardous conditions, code violations, maintainance of fire protection facilities, familiarization with the premises, compliance with permit regulations and in the interest of public relations and public safety. Inspection total for the Fiscal Year 1968 - 1969 was 25,666.

Specialized Inspectors investigate all permit applications regarding storage, sale and use of flammable liquids, service stations, liquefied petroleum gases, fireworks, gunpowder or explosives and other hazardous occupancies. Inspectors are assigned to office work and permit procedure on a rotation basis to enable them to be familiar with all phases of the operation of the Bureau. Inspectors are periodically detailed from the Bureau of Fire Prevention and Public Safety to the Bureau of Fire Investigation, to supplement to full force that agency within the Division when required by Vacation, Sick, or Disability Leave.

Public Relations work by Division members has increased greatly since enactment of the National Fire Research and Safety Act of 1968. Demonstrations and instruction on First Aid Fire Equipment for Department Stores, Office Buildings, Industrial Occupancies and lectures on Fire Prevention for Civic Groups, Clubs, Churches, etc., are constantly in demand because of this new law. The public relations work is under the jurisdiction of the Captain, Bureau of Fire Prevention and Public Safety.

BUREAU OF FIRE PREVENTION

The operations of the Bureau of Fire Prevention (1968-1969) is reported in statistical form as follows:

Inspections and Corrections:

The number of Individual Occupancies Inspected, Total Inspections made and the number of Corrections Obtained during the Fiscal Year 1968-1969 were as follows:

Total number of Individual Occupancies - - - - - - -	12,292
Total number of Inspections - - - - - - - - - - - - -	25,666
Total number of Corrections Obtained - - - - - - - -	10,222

Of the total number of Inspections, 999 were Special Complaints reported by citizens that required immediate attention and 154 were Special Investigations of structures that had been involved in Greater Alarms of Fire.

IV
FIRE PREVENTION AND INVESTIGATION

Permit Processing:

Fire Department Permits:

Automobile Parking Station	57
Burning, Removal of Paint	26
Compressed Gases	1
Explosives, To Receive	10
Fireworks, Conduct Public Display	4
Flammable Finishes, Application of	6
Flammable Liquids, Other, Aboveground	29
Flammable Liquids, Underground Tanks	56
Flammable Liquids, Dispenser replacement	49
Flammable Liquids, Fuel Oil Storage Tank	4
Garage, Automobile Sales	26
Garage, Commercial and Truck	19
Garage, Public Repair	41
Garage, Public Storage	11
Garage, Special Branch	31
Liquefied Petroleum Gases	17
Motion Picture Theatre	15
Open Outdoor Fire	30
Public Assembly	5
Service Stations	92
Theatre	3
Tire Rebuilding Plant	1
Vending and Standing Space	5
Welding and Cutting	1

Building Permits:

During the Fiscal Year, the Inspectors of the Bureau of Fire Prevention processed and passed upon all plans and applications, as required by Charter and Ordinance, which had been submitted to the Central Permit Bureau.

Occupancy Permits:

Investigations were made and reports forwarded recommending approval or disapproval of fire clearance of applications for permits and licenses as were received from the following Departments or Agencies:

(1) Central Permit Bureau:

Building Occupancy Permits (Permanent)	73
Building Occupancy Permits (Temporary)	60
Building Permits Processed (By Dist.Inspectors)	68

(2) Department of Public Health:

Launderies	73
Night Clubs	16
Pet Shops and Hospitals	7
Restaurants	232
Caterer	5

FIRE PREVENTION AND INVESTIGATION

Occupancy Permits (Continued):

(3) Public Welfare Department:

Homes for Aged	210
Homes for Children	299

(4) Police Department

Cabaret	1
Amusement Park	1
Automobile Wreckers	12
Circus	2
Dance Hall Keeper	39
Driverless Auto Rental	11
Junk Dealer	2
Massage Parlors	14
Public Bath Houses	1
Mechanical Contrivances	4

(5) State of California (State Fire Marshal):

Clinics	2
Head Start Program	4
Hospitals	27
Nursery Schools	97
Nursing Homes	29
Mental Hygiene	58

Miscellaneous Reports and Communications:

During the Fiscal Year, various reports, communications and actions were undertaken by the Bureau of Fire Prevention and Public Safety involving the following:

(1) 645 reports from Battalion Chiefs of special building inspections were received. These reports were processed for investigation and abatement of violations by this Division.

(2) During the year, 249 Notices of Violation of non-compliance were issued to obtain compliance with State and local safety codes.

(3) The number of communications sent out by this Bureau during the fiscal year was 3,980.

(4) The Civil Service Commission requested background investigation on 381 candidates for Fire Department employment. This was completed by the Bureau of Fire Prevention and resulted in a total of 1,630 communications.

FIRE PREVENTION AND INVESTIGATION

FIRE PREVENTION CORRECTIONS 1968-1969

Automatic Sprinkler Systems Installed:	
Chutes	62
Floor of Occupancy	12
Storage Area	50
Stairways/Hallways	6
Garbage/Trash Rooms	49
Other	3
Automatic Sprinkler Systems Repaired	65
Buildings Boarded Up	42
Buildings Razed	370
Egress, additional means provided	48
Exit Obstructions removed	226
Exit, signs and lights	322
Fire Alarm Systems Installed	42
Fire Doors - Installed or Repaired	122
Fire Escapes - Installed	25
Fire Escapes - Repaired	9
Fire Escapes - Drop Ladders Provided	94
Fire Escapes - Obstructions Removed	109
Fire Extinguishers installed or recharged	4,390
Hosereels installed or renewed	59
Metal Bins and Covers Provided	345
Rubbish condition removed	771
Stairways installed or enclosed	12
Stairways obstruction removed	49
Transoms fireproofed	125
Warning signs installed, No Smoking, etc.	323
Conditions referred to:	
Department of Electricity	2
Department of Public Health	24
Department of Public Works	1,637
Police Department	19
OTHER - General Corrections	910
TOTAL CORRECTIONS	10,222

PRINCIPAL BUILDING OCCUPANCIES INSPECTED AND PRINCIPAL OCCUPANCIES IN WHICH FIRES OCCURRED

	INSPECTIONS New Insp.	Re-Insp	Total	No. of FIRES
THEATRES:				
Theatres & Motion Pictures	126	290	416	10
PUBLIC ASSEMBLY:				
Bowling Alleys	48	33	81	2
Churches	143	308	451	11
Clubs (Private)	79	145	224	17
Halls	179	211	390	3
Night Clubs	116	194	310	0
Restaurants	756	1,669	2,425	113
Taverns	49	49	98	26
SCHOOLS:				
Elementary	194	185	379	25
Junior High	47	29	76	11
Senior High	39	40	79	31
College	43	68	111	17
INSTITUTIONS:				
Homes for Aged	277	208	485	2
Homes for Children	436	236	672	1
Hospitals	196	304	500	40
Mental Hygiene	49	38	87	0
Nursing Homes	45	45	90	7
HAZARDOUS:				
Garage - Automobile Sales	114	132	246	3
Garage - Commercial & Truck	68	73	141	8
Garage - Public Repair	527	517	1,044	8
Garage - Public Storage	193	182	375	0
Paint Shops	101	57	158	1
Woodworking & Cabinet Shops	72	74	146	0
BUSINESS:				
Bakeries	46	45	91	2
Clothes Pressing Shops	51	42	93	0
Clothing Stores	40	51	91	10
Department Stores	89	110	199	27
Furniture Stores, Whlse & Retail	42	34	76	6
Gasoline Supply Stations	571	373	944	7
Grocery Stores	65	71	136	37
Launderettes	70	157	227	43
Laundry	79	51	130	14
Markets	46	38	84	20
Office Buildings	438	930	1,368	111
Printing Shops	52	33	85	10
Variety Stores & Gift Shops	175	154	329	11
Warehouses	313	269	582	88
NON-HAZARDOUS:				
Food Processing	56	33	89	3
RESIDENTIAL:				
Apartments	3,460	3,320	6,780	1,042
Boarding Homes (Guest Houses)	83	67	150	0
Dwellings (1&2 families)	945	626	1,571	1,288
Hotels	558	724	1,282	324
Housing Projects	367	244	611	225
Motels	85	93	178	9
Rooming Houses	120	67	187	23
VACANT BUILDINGS:	188	219	407	102

FIRE PREVENTION AND INVESTIGATION

In addition to the building occupancy fires previously listed, fires occurred in the following occupancies:

(1)	Buildings:	
	Amusement Center	3
	Appliance Store	1
	Art Gallery	1
	Bank	3
	Beauty Shop	2
	Book Store	1
	Chemical Manufacturer	1
	Cigar Manufacturer	2
	Cleaning Plant	2
	Coffee Manufacturer	5
	Drug Store	4
	Electronic Shop (Radio-TV)	3
	Convents	1
	Foundry	2
	Garages, private	8
	Jail	2
	Lumber Yard	2
	Liquor Store	2
	Machine Shop (Mfg)	4
	Manufacturer	5
	Mint	1
	Nursery School	1
	Plating Shop	1
	Post Office	5
	Radio Station	1
	Sheds	43
	Shoe Repair	1
(2)	Vehicles:	
	Automobiles	1,233
	Busses	46
	Fork Lift	5
	Freight Car	7
	Motorcycles	22
	Street Car	5
	Trailers	4
	Trolley Busses	2
	Trucks	121
(3)	Wharves and Piers:	40
(4)	Boats and Ships:	10
(5)	Miscellaneous:	
	Automobile Wreckers	16
	B.A.R.T.	10
	Dumps	141
	Electric Poles and Wires	269
	Fences	1
	Mail Boxes (U.S. Govt.)	13
	Sign Board	1
	Street Road Flares	64
	Tar Pots	4
	Underground Vaults (Electric)	7
(6)	Grass and Rubbish	3,924

IV
FIRE PREVENTION AND INVESTIGATION

BUREAU OF FIRE INVESTIGATION

The personnel of the Bureau of Fire Investigation consists of one Lieutenant and seven Investigators. They respond to all fires of unknown, suspicious and incendiary origin and to any fire to which the Chief-in-charge may summon them. They assist in investigation of accidents where Fire Department vehicles are involved. They also respond to all second or greater alarms, to fires where an explosion has occurred, and to any fire where a person is burned or dies as a result of fire. Stakeout and surveillance operations are a significent part of their operations.

Frequent conferences are held by this Bureau with the Inspectors of the Police Department, as well as with the various Police Captains of their respective police districts, regarding incendiary fires occurring within their assigned areas.

Investigators assist the District Attorney in criminal cases involving fires and testify in court on all cases where an arrest involving fire has been made. They are frequently summoned to testify at Coroner Inquests and at Civil Cases regarding fires.

Investigation reports of all unusual fires or occurrences are made in detail by the Investigators who responded to the scene. A Fire Record is made of every fire alarm, and the cause of the alarm, which occurs in San Francisco. All records and reports of this Bureau are compiled daily to provide a permanent statistical record for the Fire Department. These statistics are often requested by the American Insurance Association, the National Fire Protection Association, and other agencies for the purpose of analysis.

During the fiscal year reported there was a great incidence of incendiary fires in the several public schools. Use of Molotov cocktails was frequent and were used to ignite all type of buildings and occupancies. Several explosive bombs were also used at different times at San Francisco State College and a series of Fire Bombs were used within the major Department Stores in the city. Several perpetrators were apprehended and prosecuted in the above incidents, and the Bureau of Fire Investigation is continuing intensive investigation work toward further apprehension and prosecutions.

The Public Relations work of this Bureau has been very successful. Fire Departments of other cities often request that their personnel be instructed in Arson Investigation Techniques by this Bureau. Instruction in Arson Investigation Techniques is given by this Bureau to all police and fire recruits of San Francisco. Our Investigators are often requested to address various Service Clubs and Business Groups. Many appearances of Television and Radio programs have projected the work of the Bureau of Fire Investigation very favorably to the public.

IV
FIRE PREVENTION AND INVESTIGATION

BUREAU OF FIRE INVESTIGATION

1. Field Activities - Fiscal Year 1968-1969

Investigation of Fires:

Special Investigations	887
Follow-Up Investigations	910
Incendiary Origin	363
Greater Alarms	154
Undetermined Origin	86
Burn Cases	107
Deaths	33

Arrests and Disposition:

Felonies:	
Arrests	13
Convictions	11
Cases Pending	5
Acquittals	2
Misdemeanors:	
Arrests	32
Convictions	19
Cases Pending	2
Acquittals	16
Citations	1
Juveniles:	
Cases held under Juvenile Jurisdiction	34
Not Cited	115
Court Appearances and Testimony:	96

Special Complaints Referred from Bureau of Fire Prevention:

Investigations	40
Follow-Up Investigations	28

2. Office Activities:

(a) Fire Records - Compiled and maintained - - - - - 30,991

(b) Record Search and Copy - - - - - - - - - - - - - - 4,640

(c) $1,922 was collected and deposited in the General Fund for the processing and sale of copies of Fire Reports to interested persons during the fiscal year by the Bureau of Fire Investigation.

IV
FIRE PREVENTION AND INVESTIGATION

PORT FIRE MARSHAL
SAN FRANCISCO PORT COMMISSION

This report summarizes in brief the operational functions of the office of the Port Fire Marshal during the fiscal year 1968-69.

Still alarm responses (response of one fire department unit only) covering such activities as pumping sinking small craft, removing bodies from the bay, automobile fires on the Embarcadero, investigations, etc., are not recorded herein because of limited personnel coverage.

The fire summary information listed, has been compiled from the log of fire alarm responses by the fireboat "PHOENIX" and relates to Port Commission properties only, excluding the Islais dump area.

The report has been formed into two separate sections. The first section contains general statistics on the number and types of fires which have occurred and upon Port Commission properties. The section outlines the fire prevention program in service, enumerating the welding and burning permits, the joint permits for limited storage of explosives and dangerous cargoes upon the piers and aboard ships berthed at piers, - also related pertinent fire safety data.

SECTION 1	1968-69	1967-68
Total number of fire alarms received - - - - - - - -	118	60

Breakdown:

OCCUPANCY AND/OR TYPES OF FIRES OR INCIDENTS		Not Recorded
False Alarms -	47	
Pier deck, stringer, or piling fires - - - - - - - -	26	24
Debris, grass, etc. - - - - - - - - - - - -	15	17
Gasoline Spills - - - - - - - - - - - -	5	0
Ship and small craft fires - - - - - - - - - - - -	5	7
Utility equipment and vehicles on piers - - - - -	4	2
Automatic sprinkler trouble - - - - - - - - - - - -	3	4
Cargo fires - - - - - - - - - - - -	3	3
Emergency rescues in bay - - - - - - - - - - - -	2	1
Smoke scares - - - - - - - - - - - -	2	0
Washdowns - - - - - - - - - - - -	3	1
Diesel motor repair & sales shop - - - - - - -	1	0
Electrical - - - - - - - - - - - -	1	2
Kerosene heater - - - - - - - - - - - -	1	0
Ship accident - - - - - - - - - - - -	1	0

- Upon investigation, and when the fire cause is determined, immediate action is taken to prevent recurrence.

The minor fires occurring over the past year show an increase of about 10%. Largely these minor fires are suspected to have been caused by carelessly discarded lighted matches or smoking materials.

IV
FIRE PREVENTION AND INVESTIGATION

Two greater alarm fires of moderate intensity occurred during the past year.

18 September 1968, 0338 hours (2nd Alarm)
Fire of indetermined origin involved a cargo of baled botton linters and bagged coffee, stowed in the number four hold of the vessel "MV CIUDAD DE MANIZALES" berthed at pier #80-"B". The fire was confined to the #4 hold. There was no apparent damage to the ships' structure.

8 April 1969 0336 hours (2nd Alarm)
A deep seated fast spreading fire, suspected to have been caused by live electrical wires snared in piling, threatened to involve pier #14 and ferryboat "SAN LEANDRO" moored alongside. The fire was quickly contained and extinguished before gaining serious headway.

5 March 1969 1940 hours
During an emergency maneuver to avoid a collision with another ship in the bay, the "SS AMERICAN PRODUCER" laden with seven thousand (7,000) tons of live military ammunition, accidently struck the outer open section of pier #27, causing the ship's bow to become impaled by the reinforced concrete pier deck for a distance of approximately 50'. Captain J.J. Doherty, U.S. Coast Guard, Captain of the Port was called to the scene, and upon appraisal of conditions, immediately organized emergency services, with necessary caution, to back the ship off the pier.

The fire department responded and placed a heavy coating of foam around the broken metal of the ships bow at the point of contact with the concrete pier to avoid sparks as the ship would back off.

Several tugs pulled and winced at the ship's hull for about one and one-half hours, until she finally broke loose and eased off the pier. The ship was then brought alongside pier #29 for close safety survey.

Captain Doherty requested a munitions safety team from the Naval Weapons Station, Port Chicago to board the "AMERICAN PRODUCER" and report on her 'sensitivity'. During interim all electrical feed to the ships forward areas was shut-down, also a maximum security screen was imposed upon all persons boarding or disembarking the ship.

The 'sensitivity' condition proved negative and the vessel departed pier #29 for Port Chicago without further incident; 6 March, 1969 - 1200 hours.

NOTE:
The general safety policy for removing of munitions ships from inhabited areas has been restated to all shippers by Captain John J. Doherty, U.S.C.G., Captain of the Port, San Francisco.

SECOND SECTION

This section of the report embodies the fire prevention activities of the office of Port Fire Marshal.

	1968 1969	1967 1968
Permits issued for welding and burning, Largely ship repairs	1050	1025
Certified Chemists gas free certificates, where required	575	466
Joint permits for movement of dangerous cargo, limited storage	320	215
Joint Permits for movement of explosives, storage prohibited	20	31
Joint Permits for movement of reactive chemicals	43	24
Joint Permits for movement of radioactive materials	19	25
Permits for fumigation of cargoes or ships, Chief Wharfinger	243	193

NOTE:

The number of cargoes of hazardous materials through the port has increased considerably; this is noteworthy particularly in the area of reactive chemicals. Fumigations upon cargo in transit also shows increase; these are conducted by licensed private contractors, using plastic covers, and inserting Methyl Bromide.

In each of the above instances (hazardous cargoes and fumigations) on site inspection is made by this office, and the nature of the product and its location on the pier is reported to the San Francisco Fire Department Communications Center. This information is teletyped to the Division and District firefighting headquarters throughout the city.

The joint permits mentioned above are in five copy, multi-color forms, signed by Chief of Department, S.F.F.D., Captain of the Port U.S.C.G., Port Fire Marshal S.F. Port Commission and Chief Wharfinger S.F. Port Commission. Copies are distributed to all principals and to the applicant.

Remarks

Field operations, including issuance of welding and burning permits, and surveillance upon dangerous cargo in port are largely handled by the Deputy Port Fire Marshal, and are normally accomplished during regular business hours. During other hours and on Saturdays and Sundays, the Harbor Police Department and the U.S. Coast Guard coordinate procedure to issue such hot work permits which are issued without on site inspection; however the Deputy Fire Marshal checks out such work on the next business day.

In normal function the operations of the office of the Port Fire Marshal are closely correlated with the offices of:

The administrative staff, and department heads, San Francisco Port Commission; The Chief of Department, San Francisco Fire Department; The Chief, Division of Fire Prevention and Investigation, S.F.F.D.; The Captain of the Port San Francisco, United States Coast Guard; The Bay Area Waterfront Fire Safety Council, including the cities of: Oakland, Alameda, Stockton, Sacramento, Richmond, and Redwood City; The Pier Superintendents and managerial staffs of shipping companies.

IV
FIRE PREVENTION AND INVESTIGATION

FIRE SAFETY SURVEY PROGRAM

The Fire Safety Survey Program is a public service operation of the Fire Department in which in-service companies of the firefighting force inspect and survey structures and areas within their responding areas.

The program has a dual purpose: First to detect and correct the fire hazard common to residential occupancies, second, to enable fire companies to make pre-fire inspections of buildings and areas which will better prepare them for any emergencies that might occur therein.

The residential inspection is primarily a check-up procedure designed to reduce dwelling fire and life hazards. Inspections in the home are made only by voluntary invitation of the owner or tenant. Detection and correction of the common fire hazards found in the home have contributed materially in the reduction of residential fires.

Companies stationed in heavy mercantile and factory districts concentrate their inspection activities on structural survey and area orientation to better prepare themselves for the special hazards and unusual conditions that exist in their response areas.

All fire companies are involved in this program which covers the entire city. While on inspection duty, the companies remain in service and are available for response to any emergency by radio communication.

After several years of intensive work in this field of inspection the experience to date has shown that the program has been well received by the public, and the fire companies engaged in this program are recognized as performing a highly commendable public service.

IV

FIRE PREVENTION AND INVESTIGATION

NATIONAL FIRE PREVENTION WEEK

October 7-11, 1968

National Fire Prevention Week, which emphasizes fire safety rules for the general public, was officially proclaimed by the Honorable Joseph L. Alioto, Mayor of San Francisco for the week of October 7th to the 11th, 1968.

This program, which is actively sponsored throughout the United States by the National Fire Prevention Association and all municipal fire departments, is traditionally held in October to coincide with the anniversary of the Great Chicago Fire that destroyed a large part of that city in 1871.

Fire Prevention Week was originated in 1911 and encourages, through the news media of press, radio and television agencies together with related fire department programs, public interest in all phases of fire safety.

The Fire Prevention Week program in San Francisco adheres to the basic pattern outlined above. In addition to the official proclamation issued by the Mayor, it also included the following:

1. Public Display of Fire Department material and equipment in selected department stores.

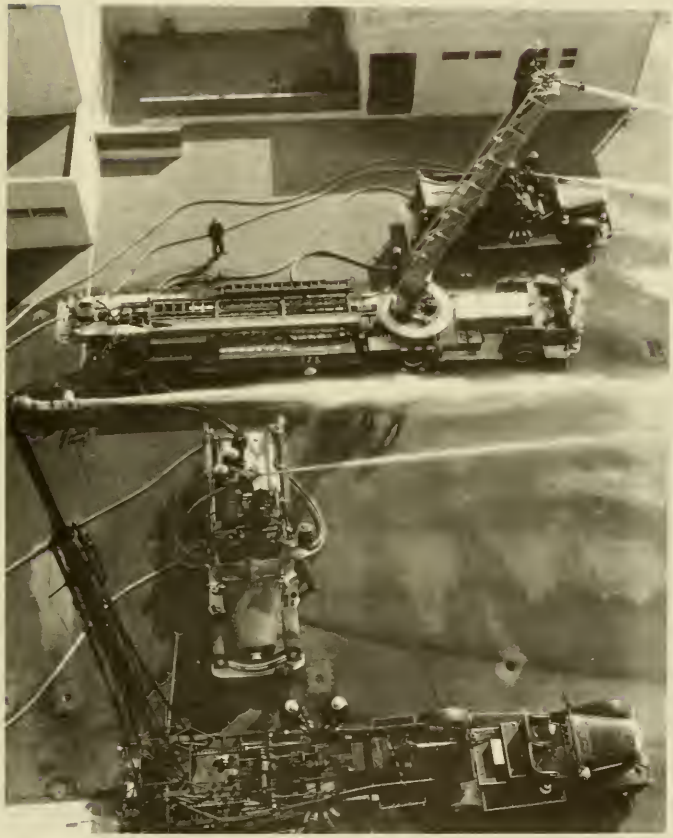
2. A special invitation to the general public to visit the San Francisco Fire Department Pioneer Museum.

3. Distribution of Fire Prevention material by the Bureau of Fire Prevention Company Stations.

4. An accelerated program of Fire Prevention in city schools.

5. Assignment of Fire Prevention personnel to address various civic, fraternal, and district community organizations.

TRAINING



V
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DIVISION OF TRAINING

The Division of Training, through its staff of instructors, carries out the various programs directed toward the constant improvement of operational efficiency of all department members and units. New training programs and constant evaluation, conducted by the Division, keeps all department personnel informed of improvements and new techniques in the field of fire fighting. The training program of the Division is divided into three primary phases, defined as follows:

Direct Training: Training conducted for department personnel under the direct supervision of the staff personnel of the Division of Training.

Functional Training: Training conducted for department personnel by non-staff officers and members or by non-department personnel under program schedules prepared and approved by the Division of Training.

Related Training: Training conducted for non-department personnel either by Division of Training staff personnel or by other department officers or members.

DIRECT TRAINING:

The following Direct Training activities were conducted during the year:

1. Chief Officers Indoctrination: Newly appointed probationary Battalion Chiefs are detailed to the Division of Training on assigned shift for three days to participate in a basic course under the direct supervision of the Director of Training. The course encompasses administrative functions, firefighting strategy and practices.

2. Company Officers Indoctrination: Newly appointed probationary Lieutenants are detailed to the Division of Training on assigned shift for ten days to participate in a basic course. The course encompasses administrative functions and officer conduct, field operational strategy and practices. Part of the course is under the direct supervision of the Director of Training and the remainder under Staff Training Officers with particular emphasis on field leadership and personnel supervision during drill evolutions.

3. Recruit Indoctrination: All newly appointed probationary firemen are assigned to the Division of Training for a period of six weeks for participation in a basic indoctrination course. Approximately 50 subjects are covered during this period which includes classroom and equipment handling activity. Home study is required and weekly examinations are supplemented by a final examination at the expiration of the course. Upon graduation all new members are qualified drivers, tillermen, pump operators and are assigned to the firefighting service. Immediately prior to the expiration of the six-month probationary period, each recruit returns to the Division of Training for a final examination, the results of which are

indicated on the evaluation report submitted to the Chief of Department for review before permanent appointment. Experience indicates this type of initial instruction and indoctrination to be of inestimable value not only to the proper preparation of the recruit but to the long range reflection of department efficiency. Forty-seven probationers were graduated from the Fire College during the fiscal year 1968-1969

4. In-Service Training: Continuous in-service training covered the following:

a. Company unit drills at the Drill Tower to determine and evaluate company and individual efficiency related to hose, ladder and associated field functions.
b. Company unit instruction at stations covering rescue breathing apparatus, inhalators, and resuscitators, mouth-to-mouth insufflation, external heart compression, radiation instrument monitoring, oxy-acetylene burning units, chain saws, skil saws and porte-power units.

5. Special Training: Special training at the Division of Training during the year covered the following:

a. Driver and tillermen instruction and qualification.
b. Pump operator instruction and qualification.
c. Chief's operator instruction and qualification.
d. Triple combination pumper operation.
e. Aerial ladder operation.
f. Aerial ladder nozzle and Multiversal unit operation.
g. Ladder raising obstacles (aerial and ground).
h. Ladder testing.
i. Radiation instrument monitoring.
j. Special apparatus operation.

FUNCTIONAL TRAINING

The following functional training was conducted during the year. Drill schedules for Items 1, 2, 3 and 4 are contained in the Department Drill Schedule which is revised semi-annually:

1. Station Drills: Daily 2-hour drill sessions are conducted under direct supervision of the on-duty company officer. Drill schedules relating to subject and time are prepared and issued semi-annually by the Division of Training.

2. Weekly Engine Drafting Drills: Each in-service Engine Company conducts a drafting drill on each shift every other month either at a waterfront location, a cistern, a lake or reservoir.

3. Sunday Engine Drill: Each in-service Engine Company conducts a Sunday engine drill from hydrants to gain efficiency in predominant engine company functions normally encountered at fires.

4. Sunday Ladder Truck Drill: Each in-service Ladder Truck Company conducts a Sunday truck drill to gain efficiency in the handling and placement of ladders.

5. Special Apparatus Drill: Special apparatus drills are conducted for company units as determined and scheduled by Battalion Chiefs of each District.

6. Safe Driving Course: Department drivers participate in a Defensive Driving Course conducted at the Fire College under the auspices of the National Safety Council.

7. Airport Training: Officers and members assigned to companies at the San Francisco International Airport participate in special drills relating to problems of airport firefighting. These drills are conducted and scheduled by the airport Fire Marshal.

RELATED TRAINING

The following related training activities were conducted during the past fiscal year:

1. Fire Reserve (see report of Disaster Corps): Volunteer members of this organization received weekly instruction under the direct supervision of the department officer-in-charge. Instruction and evolutions for field operations follow the standards prescribed by San Francisco Fire Department Manuals.

2. Plant Protection (see report of Disaster Corps): Industrial, commercial and private organizations receive training under the direct supervision of the department officer-in-charge. This training is basically concerned with the organization and training of private fire brigades and associated operations. The officer-in-charge acts in liaison with the San Francisco Disaster Corps on special disaster research, planning and activation affecting the fire department.

3. Fire Prevention and Fire Investigation (see report of Division of Fire Prevention and Investigation): The Division of Fire Prevention and Investigation conducts training sessions properly classified as a phase of "Public Education." These sessions include:

a. School Fire Prevention Training: Assignment of a Bureau Inspector to conduct a continuous fire prevention educational program at public and private "grade school" level.

b. Public Education: Distribution of written material, radio television and public appearances by Officers, Inspectors and Investigators in the deliverance of lectures, spot announcements and similar activity to further public information, engender public interest and, in general, to create public recognition and appreciation of fire safety practices.

4. Airport Related Training (see special report of Airport Division): Airport fire department officers and members continuously conduct training sessions as follows:

a. U.S. Coast Guard and fire brigades of major air lines.
b. Airport security police.
c. Operating personnel for all air lines, upon request.

5. Rescue Breathing Apparatus - (Special): Special training sessions in the use and maintenance and rescue breathing apparatus were conducted by Division of Training staff personnel upon request. (See "Specialized Training")

6. Mouth-to-Mouth Insufflation and External Heart Compression: Under the supervision of Operator Arthur C. Kuersten, instruction in the proper application of mouth-to-mouth insufflation and external heart compression continued at an accelerated rate. The capabilities of Operator Kuersten on these subjects is reflected by the many requests for his services and the wide acclaim and appreciation attesting thereto by the letters acknowledging his work. (See "Specialized Training")

TOTAL MAN HOURS OF TRAINING 1968-1969 (APPROXIMATE)

Direct Training	40,000
Functional Training	285,000
Related Training	75,000
Total -	400,000

FIRE DEPARTMENT TRAINING MANUALS

The Fire Department Training Manual Program has been basically completed.

Completed Training Manuals

1. Standard Practice Manuals

   a. Hose and Hose Appliances
   b. Ladder Practices
   c. Rope Practices
   d. Respiratory Practices
   e. Portable Extinguisher Practices
   f. Salvage Practices
   g. Fireboat - Ship and Pier Fire Practices
   h. Ventilation (Issued October 1968)

2. Information and Instruction Manuals

   a. Building Construction
   b. Water Supplies
   c. Arson Detection and Investigation
   d. Pump Operators
   e. Driver and Tillermen
   f. Laws Relating to Firemen (Revised May 1969)
   g. Company Officer Instructor Training
   h. Conference Leading
   i. Fire Safety Survey Program

3. Special Apparatus Manuals

   a. Water Towers
   b. Searchlight Engines
   c. High Pressure System Valve Unit
   d. Air Compressor Unit
   e. Reserve Fuel Unit

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MISCELLANEOUS FUNCTIONS

The following special and miscellaneous functions were conducted by the Division of Training during the year:

1. Issued "Certificates of Driving Experience" required by the California Department of Motor Vehicles when fire department drivers obtain Class "2" drivers licenses.

2. Fire Department photography: Filming, processing and printing for official training and publicity requirements. This activity is performed by Inspector Chester O. Born, Official Fire Department Photographer, under the administrative control of the Division of Admininstration.

3. Staff officers' participation as members of oral or evaluation boards as part of Civil Service examinations.

4. Director of Training attended for one week the Western Conference of Directors of Training - December 2nd thru December 6th, 1968 at Phoenix, Arizona.

5. Cooperated with the Bureau of Equipment and Central Shops in the testing of all fire department aerial and ground ladders and new pumping engines.

6. Issued protective clothing to officers and members as required.

7. Conducted numerous demonstrations as part of fire department publicity, including television and newspaper feature reporting. Assisted in the demonstration of the following products related to the fire fighting service: Jet-Axe forcible entry tool, Hilite portable light tower, Burgular resistive glass. Conducted promotional ceremonies for 73 men at the A.P. Giannini Junior High School.

8. Conducted a special tour of the Division of Training facilities for the Grand Jury. Conducted numerous individual tours of the Division of Training for out-of-city fire department officials and visitors. Visitors from foreign countries included representatives of: Japan, Mexico, Sweden, Ecuador, Ireland, England, and West Germany.

9. Conducted a special demonstration of fire fighting equipment as part of Fire Recognition Day - May 10, 1969.

10. The Chief, Division of Training is designated as: Department Liaison Officer to the Atomic Energy Commission; Chairman of the Accident Review Board; Chairman of the Advisory Board; Member of the Fire Science Advosory Board (CCSF).

11. Responded to greater alarms of fire to observe field performance alignment to training practices and procedures.

12. Conducted special training for 22 Coast Guard reservists.

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13. Presented a 2-hour course on Fire Department operations under riot conditions.

14. Responded to more than 100 inquiries from out-of-city fire departments and other agencies interested in the practices and procedures of the San Francisco Fire Department Division of Training.

15. Processed S.F.F.D. identification cards.

SPECIALIZED TRAINING

The Specialized Training referred to in Section 5 and 6 of "Related Training" performed by Operator Arthur Kuersten, Special Instructor and Technical Supervisor of Rescue Breathing Apparatus is recorded as follows:

Direct training was conducted for all Companies and Probationary Firemen, totaling 2,672 man hours.

Related training in resuscitation methods was conducted for 9,364 individuals as part of our Public Education Program, totaling 18,728 man hours of training.

Direct training, related and miscellaneous training functions and programs amounted to a yearly total of 21,400 man hours of training.

All breathing apparatus has been maintained or replaced as required during the year.

Service Company #1 has been assigned to deliver replacement Scott Air Pak cylinders, Resuscitator cylinders and parts as required. During the process of making delivery of cylinders, the Service Company #1 operators check the equipment and conduct refresher courses for the Company Officers and men regarding the proper donning of the Scott Air Pak.

Refresher courses on resuscitation are being conducted continually throughout the year by Operator Kuersten.

FISCAL REPORT ON RESUSCITATION EMERGENCIES

The following is a compilation of Fire Department response and results related to emergency resuscitation appeals during the fiscal year

Number of cases 561	Positive = 342	Negative = 219
Mechanical resuscitator	321	148
Mouth to Mouth Breathing	12	26
External Heart Compression	6	45
Choking	3	0

These results are extremely gratifying and reflect concentrated attention to the details of continuous training in these emergency functions and combined with the devotion to duty of the officers and men of this department to perform effectively an associated service for public protection.

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PUBLIC EDUCATION PROGRAM AND MISCELLANEOUS FUNCTIONS

Our Public Education Program increased at an accelerated rate and is gaining widespread recognition. It is well received and appreciated, and reflects great credit to the Fire Department.

Operator Kuersten, in addition to being appointed a faculty member of the University of California Hospital, at the request of the American Orthopedic Surgeons has again been requested to serve on the Planning Committee for the Emergency Care Program to be given in September at the University of California Hospital. Captain Edward O'Donnell of Rescue #2 has also been requested to serve on this planning committee.

In September 1968, Captain O'Donnell served on this committee. His portion of the program was outstanding and included a demonstration of the equipment carried on our Rescue Company #2 and the extraction of a trapped person in a wrecked automobile.

October 10th to the 27th, 1968, Operator Kuersten participated in the Health Fair Program at Brook's Hall. An estimated 250,000 people attended this program. Resuscitation methods were demonstrated and dramatic photos were displayed. Over 50,000 instruction cards on Mouth-to-Mouth Breathing and 40,000 safety pamphlets were distributed to the visitors. Our portion of the program was a huge success and was well received by everyone attending.

Our Public Education Program is very much appreciated by those receiving training and lectures and has proven to be a tremendous service to this city.

FIRE FIGHTING SERVICES

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FIRE FIGHTING SERVICES

Headquarters
Chief Officers

DIVISION NO. 1

		Headquarters
Division No. 1	Engine Co. No. 1	115 Drumm Street
Battalion No. 1	Engine Co. No.5	1340 Powell Street
Battalion No. 2	Engine Co. No.14	109 Oak Street
Battalion No. 3	Engine Co. No.4	676 Howard Street

DIVISION NO. 2

Division No. 2	Engine Co. No.34	1301 Turk Street
Battalion No. 4	Engine Co. No.15	2150 California Street
Battalion No. 5	Engine Co. No.21	1443 Grove Street
Battalion No. 7	Engine Co. No.46	441 12th Avenue
Battalion No. 8	Engine Co. No.49	2155 18th Avenue

DIVISION NO. 3

Division No. 3	Engine Co. No.10	2300 Folsom Street
Battalion No. 6	Engine Co. No.13	3880 26th Street
Battalion No. 9	Engine Co. No.38	1000 Ocean Avenue
Battalion No. 10	Engine Co. No.42	2430 San Bruno Avenue
Battalion No. 11	Engine Co. No.48	798 Wisconsin Street
Airport Division	S.F. International Airport Airport Rescue Company No. 1	

VI
FIRE FIGHTING

Organization:

The organizational plan of the fire fighting divisions, battalions, companies and special units of the Department is detailed in the Organization Chart contained in this report. Personnel assigned thereto is detailed in the Personnel Chart of this report.

Department Buildings:

The Department buildings at which the personnel and various units of the Department are stationed are as follows:

1	Department Headquarters
47	Company Stations
2	Airport Company Stations
1	Assignment & Communication Headquarters
1	Bureau of Equipment Headquarters
2	Pumping Stations (H.P. System)
2	Tank Stations (H.P. System)
1	Reservoir Station (H.P. System)
2	Warehouses (Storage)
1	Deactivated Company Station
1	Pipe Yard Station (H.P. System)

Construction, reconstruction, and resultant relocation of Company Stations, as authorized by the 1964 Bond Issue, are detailed in the Division of Special Services report.

Apparatus and Equipment:

The overall appraisal of the in-service equipment status of the Department remained satisfactory during the fiscal year 1968-69, with the exception of our automotive equipment status. Due to budget restrictions imposed on the Department in 1968-69, our budget request for replacement of 12 Class "A" Sedans was reduced to six replacements; request for replacement of one (1) Class "B" and one (1) Class "C" Sedans was denied; request for replacement of two (2) Triple Combination Pumpers and one (1) Aerial Ladder was denied; request for replacement of six (6) other heavy apparatus and for three apparatus replacement engines was also denied. These budget reductions and denials, coupled with the fact that during the year reported, one (1) pumper was damaged beyond repair in an accident, and one (1) pumper was totally distroyed at a Fifth Alarm fire, has placed our Department automotive equipment replacement and amortization policy in a precarious position, and will undoubtly force the Department to seek a Bond Issue for equipment purchase necessary to stablize our replacement policy.

During the year reported eight (8) pumper apparatus and two (2) ladder truck apparatus were provided with protective cabs designed to protect department personnel against gun fire and objects fired or thrown at department personnel by civil dissidents when the apparatus is responding to or returning from an alarm. Eight additional pumpers and two additional ladder trucks will be similarly equipped in 1969-70. Funds were also authorized to provide all department fire fighting personnel with a new type protective helmet.

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FIRE FIGHTING

Hose Complement:

The hose complement of the Department, excluding short utility lengths, soft suctions, hydrant jumper lengths, circulator, multiversal and house lengths is recorded in the following chart:

S.F.F.D. Hose Complement - June 30, 1969

Age	2-3/4" Hose	1-1/2" Hose	1" Hose
10 Years or less	68%	100%	83%
10 - 15 Years	21%		3%
Over 15 Years	11%		14%
Total Footage	178,500	63,500	24,700

Total Hose Footage - 269,700

VI
FIRE FIGHTING

Emergency Response:

During the Fiscal Year, July 1968 to June 1969 inclusive, the Department responded to 31,019 alarms, an increase of 1,457 alarms over the previous year.

	Bell Alarms	Still Alarms	Total	False
July 1968	2,002	1,180	3,182	1,263
August 1968	1,680	1,019	2,699	1,103
September 1968	1,544	990	2,534	1,027
October 1968	1,693	981	2,674	1,255
November 1968	1,385	834	2,219	960
December 1968	1,185	890	2,075	731
January 1969	1,192	855	2,047	667
February 1969	1,117	650	1,767	659
March 1969	1,634	887	2,521	1,066
April 1969	1,739	802	2,541	1,169
May 1969	2,061	1,240	3,301	1,367
June 1969	2,112	1,347	3,456	1,327
Total 1968-1969	19,344	11,675	31,019	12,594
6- Year Comparison				
1967-68	17,200	12,362	29,562	10,597
1966-67	11,993	10,373	22,366	7,072
1965-66	10,851	10,597	21,448	5,242
1964-65	8,781	9,151	17,932	3,908
1963-64	8,440	9,231	17,671	3,709
1962-63	6,532	7,825	15,525	3,441

Fires:

Bell Alarms	4,882
Still Alarms	4,822
No Alarms	86
Total	9,790

Special Calls:

In conjunction with other alarms	153

Major Alarms:

Second Alarms	106
Third Alarms	39
Fourth Alarms	8
Fifth Alarms	1
Total	154

Extent of Fires:

	YES	NO
Confined to floor of origin	3,658	126
Confined to building of origin	3,677	107

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FIRE FIGHTING

Classification of Buildings in which fires occurred:

Type 1	460
Type 2	9
Type 3	757
Type 4	31
Type 5	2,527
	3,784

Deaths at Fires:

Male	23
Female	10
Total	33

Total Street Fire Alarm Boxes Activated:		Total False
July 1968	1,971	1,251
August 1968	1,658	1,096
September 1968	1,520	1,021
October 1968	1,673	1,245
November 1968	1,369	953
December 1968	1,162	726
January 1969	1,162	660
February 1969	1,099	652
March 1969	1,606	1,049
April 1969	1,707	1,156
May 1969	2,023	1,359
June 1969	2,083	1,308
Totals	19,033	12,476

It is noted that of the total 19,033 Fire Alarm Boxes activated during the fiscal year 1968-69, - 13,081 Fire Alarm Boxes were activated by civilians turning an an alarm from the street of which 10,195 or 78% were False Alarms. This particular percentage of false alarm experience in 1967-68 was 73%. The 1968-69 record indicates an increase of 5% of false alarms turned in by civilians.

Type of Response (1968-1969):

Building Fires:

Theatres	10
Public Assembly	172
Schools	84
Institutions	50
Hazardous	20
Business	386
Non-Hazardour	3
Residential	2,911
Vacant Buildings	102
Other, Miscellaneous buildings	107

Type of Response (1968-1969)(Continued):

Vehicles	1,445
Wharves and Piers	40
Boats and Ships	10
Grass and Rubbish	3,924
Miscellaneious Fires	526
Resuscitation	400
Greater Alarm Response	154
Special Call Response	153
Emergencies Other Than Fires	7,928
False Alarms	12,594
Total	31,019

CAUSES OF ALARMS

AUTOMOBILES:	
Backfiring through carburetor	423
Colliding with fire alarm boxes	5
Colliding with fire hydrants	198
Motor Igniting	172
Overheated Brakes	27
Overheated Transmission	34
Smoking igniting seats and upholstery	361
Wiring	298
BOMBS	3
BURNING PAINT FROM BUILDINGS	4
BURNING TORCH IGNITING COMBUSTIBLES	38
CHILDREN WITH MATCHES, ETC., IGNITING COMBUSTIBLES	300
CHIMNEYS:	
Patent defective and/or overheated	28
Sparks from igniting combustibles	25
CHRISTMAS TREE	7
DUMPS	140
ELECTRIC:	
Automatic alarms accidently actuating	241
Blankets	12
Dishwashers	21
Dryers	30
Elevators	61
Extension Cords	29
Fluorescent lights	46
Furnace Motors	1
Fuses Blown	12

ELECTRIC: (Continued)	
Garbage Disposal	2
Globe igniting flammables too close	30
Heaters	19
Irons	9
Manhole and underground vaults	4
Motors overheated	76
PG&E Wires and Poles	294
Plate	12
Refrigeration motors	26
Radios	9
Sign Boards	1
Stoves	33
Television sets	44
Toasters	4
Transformers	38
Washing Machines	25
Wiring, defective in buildings	293
FALSE ALARMS	12,594
FIREPLACES - defective and/or overheated	49
FIREWORKS	13
FRICTION	4
GAS:	
Dryers	69
Escaping, igniting	28
Furnaces	88
Heaters	69
Stoves, overheated	173
Stoves, burned food	489
Water heater, defective and/or overheated	96
GASOLINE: Vapors igniting	34
GRASS AND RUBBISH	3,924
GREASE IN FLUE IGNITING	64
HOT ASHES - igniting combustibles	7
INCENDIARY	363
INCINERATOR - clogged and/or overheated	7
LOCKOUTS AND LOCKINS	522
MISTAKEN ALARMS	1,087
MOLOTOV COCKTAILS	29
REFRIGERATOR SYSTEMS - leaking, etc.	96
SMELL OF GAS	329
SMELL OF SMOKE	739
SMOKING:	
Igniting awnings	67
Igniting bedding and mattresses	342
Igniting chesterfields and chairs	124
Igniting combustibles	838
Igniting garbage cans and chutes	252
Igniting rubbish in buildings	92
Igniting sidewalk dustpans	8
SPECIAL SERVICES:	
Assists and rescues	845
Other	807
Resuscitation	400

CAUSES OF ALARMS (Continued)

SPONTANEOUS COMBUSTION	16
SPRINKLER SYSTEMS:	
Surge in line	73
Heat tripping same	1
Pipe and heads broken	77
STEAM MISTAKEN FOR SMOKE	66
STREET ROAD FLARES	64
TAR KETTLE	8
UNDETERMINED	86
VAPORS (Flammable igniting)	48
VICINITIES	210
WASHDOWN STREETS	1,309
WATER PIPES, Leaking, etc.	667
TOTAL	30,708
MAJOR ALARMS	154
SPECIAL CALLS	157
GRAND TOTAL	31,019

Major Fire Losses

Date - - - - - - - - - - - -	Saturday, August 16, 1968 - 1748 Hours
Alarm - - - - - - - - - - - -	Box 2231 - Fourth Alarm
Under Control - - - - - - -	1806 Hours
Location - - - - - - - - - -	1100-1200 Fourth Street
Occupancy - - - - - - - - -	Shippers Service & Drayage Companies
Cause - - - - - - - - - - - -	Undetermined
Estimated Loss - - - - - - -	$225,000.

Date - - - - - - - - - - - -	Thursday, August 29,1968 - 2351 Hours
Alarm - - - - - - - - - - - -	Box 2255 - Third Alarm
Under Control - - - - - - -	0054 Hours
Location - - - - - - - - - -	871 Folsom Street
Occupancy - - - - - - - - -	Wholesale Hardware & Frame Companies
Cause - - - - - - - - - - - -	Undetermined
Estimated Loss - - - - - - -	$263,000.

Date - - - - - - - - - - - -	Friday, November 28, 1968 - 0432 Hours
Alarm - - - - - - - - - - - -	Box 5434 - Fourth Alarm
Under Control - - - - - - -	0472 Hours
Location - - - - - - - - - -	2250-56 Mission Street
Occupancy - - - - - - - - -	Import Store & Adjacent Dwellings
Cause - - - - - - - - - - - -	Undetermined
Estimated Loss - - - - - - -	$196,000.

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FIRE FIGHTING

Date - - - - - - - - - - -	Sunday, December 22, 1968 - 2150 Hours
Alarm - - - - - - - - - - -	Box 1299 - Fourth Alarm
Under Control - - - - - -	2248 Hours
Location- - - - - - - - - -	228-240 Post Street
Occupancy - - - - - - - - -	Multiple Mercantile
Cause - - - - - - - - - - -	Poss. Spontaneous Ignition-Oil soaked Rags
Estimated Loss- - - - - -	$2,090,000.

Date - - - - - - - - - - -	Thursday, January 16, 1969 - 0714 Hours
Alarm - - - - - - - - - - -	Box 5114 - Third Alarm
Under Control - - - - - -	0840 Hours
Location- - - - - - - - - -	1485 Howard Street
Occupancy - - - - - - - - -	Wholesale-Retail Glass & Decal-Manufacturing
Cause - - - - - - - - - - -	Undetermined
Estimated Loss- - - - - -	$375,000.

Date - - - - - - - - - - -	Monday, March 3, 1969 - 2223 Hours
Alarm - - - - - - - - - - -	Box 2212 - Second Alarm
Under Control - - - - - -	2253 Hours
Location- - - - - - - - - -	764 Market Street
Occupancy - - - - - - - - -	Gift Shop
Cause - - - - - - - - - - -	Incendiary
Estimated Loss- - - - - -	$140,000.

Date - - - - - - - - - - -	Tuesday, April 22, 1969 - 0150 Hours
Alarm - - - - - - - - - - -	Box 7114 - Fourth Alarm
Under Control - - - - - -	0250 Hours
Location- - - - - - - - - -	330-356 Arguello Blvd.
Occupancy - - - - - - - - -	Residential (Six Frame Structures)
Cause - - - - - - - - - - -	Prob. ignition-furniture-Smoking materials
Estimated Loss- - - - - -	$250,000.

Date - - - - - - - - - - -	Thursday, May 1, 1969 - 0752 Hours
Alarm - - - - - - - - - - -	Box 6457 - Fourth Alarm
Under Control - - - - - -	1530 Hours
Location- - - - - - - - - -	Third St. & Evans Avenue
Occupancy - - - - - - - - -	Meat Packing Plant
Cause - - - - - - - - - - -	Incendiary
Estimated Loss- - - - - -	$850,000.

Date - - - - - - - - - - -	Sunday, June 29, 1969 - 1718 Hours
Alarm - - - - - - - - - - -	Box 2374 - Fifth Alarm
Under Control - - - - - -	2114 Hours
Location- - - - - - - - - -	1404-1599 Third Street
Occupancy - - - - - - - - -	Railway Warehouses
Cause - - - - - - - - - - -	Itinerants igniting combustibles
Estimated Loss- - - - - -	$1,050,000.

VI
FIRE FIGHTING

Special Services:

The Department responded to 7,928 alarms for other than fire service during the year reported. This number of responses involved rescue and public assistance emergencies, 400 of which were for resuscitation emergencies. In addition, 162 emergencies involving resuscitation were also serviced by Units assigned to Airport Companies. A total of 562 resuscitation emergencies therefore were serviced by this Department during 1968-69.

Under the category of "Special Services" the Department has worked in close liaison with the Medical and Safety Officer of the Bay Area Rapid Transit District (B.A.R.T.) to provide "Fire-Rescue" protection in areas of subway tunnels which, during construction process, are under a condition of high atmospheric compression pressures. Selected members of the Fire Department, within the response areas involved, and after careful screening and thorough physical examination, have been certified to enter the compressed-air subway tunnel areas. Special emphasis has been made to certify members of our Rescue Units as well as to certify sufficient Chief Officers essential to provide necessary "rescue-fire" supervision.

Training for this type of Special Services has been conducted in three phases:

(1) Training in special techniques necessary for the use of respiratory protective equipment when operating in areas of high compression atmospheric pressures.
(2) Indoctrination on the provision and location of fire-rescue equipment provided in the tunnel areas.
(3) Fire-Rescue evolution performed in the tunnel areas under condition of compressed air and use of respiratory equipment.

During fiscal year 196 -69, Fire Department operations, in respect to B.A.R.T. have been confined to surface operations only, requiring standard fire-rescue procedures. However, in the event of sub-surface emergencies, the Department is now qualified to perform any service required.

Salvage Operations:

In San Francisco, one of the prime factors in reducing fire damage, and in containing property loss, is the excellence of the salvage operations of our Department.

Indirect fire damage caused by smoke, water, breakage, and felled debris has been kept to a minimum by the prompt and efficient action of the Department's Salvage Companies.

During the past year, many incidents, other than fires, required the services of our Salvage Units. Industrial and Commercial accidents involving spills, broken pipes and mains, damaged tanks, broken sprinkler installations, and defective plumbing fixtures were responded to.

Salvage Operations: (Continued)

In addition many responses were made to secure premises against property loss by storm damage, vandalism and accidents. Clogged drains, leaking roofs and flooded basements also were serviced in our salvage operations.

The Salvage Companies performed the following operations in fiscal year 1968-69:

Alarms responded to - - - - - - - - - - - - - - - - - - -	7,967
Salvage Covers spread - - - - - - - - - - - - - - - - - - -	2,995
Roof covers spread -	337
Sprinkler heads replaced - - - - - - - - - - - - - - - - -	240
Sacks of sawdust used to dry up floors,etc. - - - - -	20
Roofing paper used to cover exposures (rolls) - - - -	42
Polyethylene plastic (rolls)- - - - - - - - - - - - - - -	61

The sand unit, assigned to the quarters of Engine Co. #15, responded to 40 calls at which 298 buckets of sand were spread to reduce the hazard of spillage of oil and other viscose materials.

The rental of roof covers and salvage covers returned a revenue of $2,191.00 to the City & County of San Francisco.

Water Rescue and Firefighting Scuba Team:

The Fire Department Scuba Team, organized in 1960 by Battalion Chief R. Landi, continued in voluntary operation throughout the year. The team is organized to operate from land bases or from the fireboat, for any type of water rescue or search, or for firefighting in water areas inaccessible to fireboat or land apparatus. This Unit now consists of 63 department members, of which practically 100% are certified by the National Association of Underwater Instructors as qualified divers, and 41 are certified as Senior Lifeguards by the American Red Cross Association. A considerable number of the Unit are also certified by the American Red Cross Association as Water Safety Instructors.

Chief Landi retired from service in the San Francisco Department, his dedication not only as a Chief Officer of the Department, but also as the originator of the Scuba Team, and the prime instigator for its justification, will long be remembered. All members of the Department join with the Fire Commission and the Chief of Department in our gratitude for his service and dedication to the Department. Lieutenant Edward J. Phipps has been assigned as his successor in charge of the Scuba Team.

Detail of the Scuba Team operation for fiscal year 1968-69 is recorded as follows:

Drills:

7/13/68:	St. Francis Yacht Harbor - Underwater Search & Recovery
8/15/68:	Fireboat #1-Alcatraz Island-Rescue & Firefighting Practices
9/20/68:	Hamilton Pool - 15 candidates drilled in Senior Life Saving under auspises of the American Red Cross.

Water Rescue and Firefighting Scuba Team: (Continued)

Drills:

9/20/68: Drills included the dates of 9/23/68, 9/26/68, 9/27/68, and 9/30/68.

10/4/68: Hamilton Pool - Diver qualification instructions - Drills included the dates of 10/7/68, 10/10/68, 10/11/68, 10/14/68, 10/16/68, 10/17/68, 10/31/68, 11/1/68, 11/5/68 and 11/6/68.

10/22/68: Santa Barbara Channel - Eleven members of this Unit, on their time off-duty, participated in deep diving training.

11/6/68: Hamilton Pool - Completion of new candidate training at which Certification Certificates were presented by the Chief of Department.

11/20/68: Hamilton Pool - Drill conducted to evaluate the use of Scott Air-Paks and their effect in emergencies involving underwater situations. On this date, a test was also conducted in the Bay at the quarters of Fireboat No. 1 to test the capabilities of a newly manufactured floating fire hose pump.

12/10/68: San Francisco International Airport - Extensive drill on fire-rescue operations involving aircraft forced or accidental landings in the Bay and the use of helicopters in such situations.

6/2/69: Catalina Island - Twelve members of this Unit, on their time off-duty, participated in extensive deep diving training

Note: In addition to the Scuba Team Drills, as reported, monthly meetings of this Unit are held at Department Headquarters, during their off-duty status.

Demonstrations:

7/22/68: Demonstration of S.F.F.D. Scuba Team Equipment was conducted at the quarters of Rescue Company #2 for students of Anza School.

5/20/69: Fire Service Recognition Day - Various Fire-Rescue Scuba Team demonstrations were conducted throughout the day. Several hundred citizens attended; also, the Scuba Unit was interviewed on television, Channel 4.

Fire Fighting & Rescue Response:

7/28/68: Underwater search for drowned victim in Lake Merced.

7/29/68: Above search continued. Victim's body located at 1049 Hours.

10/22/68: Underwater search for Sea Scout boat sunk, 50 ft. off foot of Van Ness Avenue. Result positive. Boat raised to surface with assistance of Salvage Co. #2.

12/19/68: Removed two drowned victims from an airplane forced landing in S.F. Bay.

VI
FIRE FIGHTING

AIRPORT DIVISION

Personnel:

The Airport Fire Department Division is a division of the San Francisco Fire Department assigned to the San Francisco International Airport. The members assigned to the Airport are trained experienced firemen who are especially trained in the techniques of aircraft rescue and fire suppression.

The authorized personnel complement of the Airport Division of the San Francisco Fire Department was 44 officers and firemen as of June 30, 1969 assigned as follows:

1	H30 Captain	Airport Fire Marshal
1	H10 Chiefs Operator	Fire Marshal Aide & Training Instr
6	H20 Lieutenants	Company Officers
36	H2 Firemen	Drivers & Equipment Operators

The following trained airport fire and rescue auxiliaries also respond to airport emergencies when requested by the fire officer in charge and work under the supervision of the Airport Fire Department:

U. S. Coast Guard - (8 hour shifts)
3 Crew Chiefs
24 Crewmen

United Air Lines - (8 hour shifts)
3 Crew Chiefs
18 Crewmen

Organization:

The Airport Division is organized into two Airport Rescue Companies. Airport Rescue Station #1 is located in Hanger #4, facing onto Taxiway "A" (alpha) between Taxiway "S" (sierra) and Taxiway "R" (romeo). Airport Rescue Station #1 is the Headquarters for the Fire Marshal and his Aide. It also houses three Lieutenants and 26 regularly assigned Firemen.

Airport Rescue Station #2 is located 900 feet northwest of the intersection of Runways 28 right and 19 right, and houses three Lieutenants and 10 regularly assigned Firemen.

The Airport Fire Marshal and his Aide work a five day week, 0800 to 1700, and are on call during their off-duty status. All other personnel work the standard fire department tours of duty.

Equipment:

In Service
1 - 1968 Mobile 40 High Pressure Fog-Foam Crash Truck:
Twin 1000 GPM pumps, 3000 gallons of water,

Equipment: (Continued)

500 gallons of 3% Foam concentrate, 1500 GPM Turret Nozzle, 150 GPM ground-sweep Nozzle, two undertruck nozzles, aircraft escape stairway, two one inch hose reels. This Unit is powered by twin diesels with automatic transmissions. A twin to this truck was approved for the budget year 67-68 and should be delivered in 1969.

1 - 1966 Mobile #32 Pumper: 1000 GPM, 500 gallons of water, 50 gallons of 3% foam concentrate, entry tools, 2 Scott Air Paks, 1 Hudson rescuscitator, large First Aid Kit and hose and fittings common to a standard engine.

1 - 1959 Mobile #33 Nurse Truck: 1300 gallons of water and 300 GPM pump.

2 - 1960 Mobile #34 & 38 Combination Crash and Structural Fire Trucks: 1000 GPM pump, 750 gallons of water, 125 gallons of 3% foam concentrate, 300 GPM turret, 300 pounds of dry chemical and hose and fittings common to an engine.

1 - 1960 Mobile #35 High Pressure Fog Foam Crash Truck: 750 GPM pump, 1400 gallons of water, 300 gallons of 3% foam concentrate, 500 GPM turret with ground sweep and undertruck nozzles.

1 - 1954 Mobile #36 Nurse Truck: 4000 gallons of water with 685 GPM pump.

1 - 1964 Mobile #37 Special Equipment Truck: 100 pounds of CO_2, entry tools, auxiliary power unit, power saws, portable lights, Hudson rescuscitator, large First Aid Kit, ropes and 300 feet of electrical cords.

1 - 1968 Mobile #31 Fire Marshal Car: Four door Sedan.

Equipment modernization is reflected in budget authorization to purchase an additional 3500 gallon, dual engine, Crash Truck, and one Aerial-scope Ladder and Platform Truck. The Truck is required to meet our structural firefighting requirements. Additionally, the Truck apparatus is capable of discharging extinguishing agents onto an aircraft fire from a height of seventy-five feet. With the provision of the "Jumbo" Jet this equipment will prove to be a superior method of aircraft fire supression. Delivery is expected at the same time the Boeing 747 is scheduled to enter service.

VI
FIRE FIGHTING

In Reserve:

1 - 1944 Mobile #39 High Pressure Fog Foam Crash Truck: 1000 GPM pump, 1000 gallons of water, 100 gallons of 6% foam concentrate, 2-250 GPM turrets, ground sweep and undertruck nozzles.

1 - 1942 Mobile #41 Foam Wagon: 250 gallons of foam concentrate.

1 - Hose Trailer: 2100 - feet of 2-3/4 inch hose.

1 - Foam Trailer: 315 gallons of 3% foam concentrate.

Auxiliary:

United Air Lines

1 - 1956 Mobile 45 Light Rescue Vehicle: 1000 pounds of dry chemical.

Fire Hose:

Size	In Service	In Reserve	Total
2-3/4 inch	5250 feet	2000 feet	7250 feet
1½ inch	1350 feet	900 feet	2250 feet
1 inch	2400 feet	-0-	2400 feet

Water Supplies:

Fire Hydrants:

Two hundred eighteen (218) fire hydrants are in service at the Airport. All hydrants have at least one three inch outlet.

Auxiliary Water Supplies:

United Air Lines Tank and Pump Station	320,000 gallons @	7500 GPM
Old Pan Am Tank and Pump Station	300,000 gallons @	10,000 GPM
New Pan American Pump Station		7500 GPM
TWA Pump Station		2500 GPM

The United Air Lines and Old Pan Am Tanks and Pumps are connected to the Airport mains and can be used to augment existing facilities. Pumps are connected to local mains and deluge sprinkler systems. Standpipes at the Airport are located at the north and south ends of the Central Terminal, three positions on the east side of the garage, United Air Lines Freight Terminal and Air West Airlines maintenance facility. All component parts of tank systems including mains, gate valves, pumps and other appurtenances are regularly inspected and serviced.

VI
FIRE FIGHTING

Fire Alarm System:

In addition to the telephone alarm system "Brigade" and the Crash Alarm System, there are four "Phantom" fire alarm boxes used for greater alarm response. These boxes are struck on radio command from Airport Communications to San Francisco Central Fire Alarm Office.

Radio Communication:

All Airport Division mobile equipment is equipped with two way radio equipment. A manual of radio procedure published by the Airport governs the operation of this radio. Two radio systems are in use at the Airport:

#1 - 121.8mg VHF-AM Controlled and operated by FAA personnel in the Control Tower. No inter-vehicle communication is allowed on this frequency.
#2 - 458.2 and 453.2mg UHF-FM Controlled and operated by the Airport for inter-vehicle and/or office communication.

Training:

Training and instructing of Airport personnel is conducted daily, Saturday and Sunday being reserved for Airport familiarization. All training is under the supervision of the Airport Fire Marshal and conducted by the Training Officer and Company Officers. Training is conducted in accordance with the recommended practices of the Aviation Division of NFPA and the U.S. Air Force.

Manhours of Training:

Direct Training	1496 man hours
Functional Training	1680 man hours
Related Training	4342 man hours

Materials expended in Training:

Foam Concentrate 3%	2085 gallons
Dry Chemical	2420 pounds
Carbon Dioxide	2785 pounds
Jet Fuel - Gasoline	11,055 gallons

Permits Issued:

Flammable Storage	1
Temporary Flammable Storage . . .	1
Open Flame Welding	27

VI
FIRE FIGHTING

Fire Prevention:

Number of Inspections	112
Number of Violations	9
Number of Corrections	9
Pending	0

Emergency Alarms:

Classification of alarms is as follows:

Alert #1 is a potential accident or an actual emergency, but aircraft is not expected to arrive for five minutes. Alert #2 is an aircraft accident that has occurred or is imminent. Miscellaneous alarms include: Structural fires, broken mains, hydrants, and other water shut-downs, stand-bys for aircraft defueling, removal, disposal or other care of radioactive materials, toxic liquids and gases, and flammable materials damaged in air shipment. False Alarms are not included, since all alarms are made by telephone and can be screened by Airport Communications, and investigated by the Fire Marshal or Company Officers.

Mo.&Yr.	Alert 1	Alert 2	Fire Alarms	Fuel Spill	First Aid	Code 10	Misc.	Alarm Total	Total Service
Jul. 68	30	4	7	36	46	1	36	160	168:10
Aug. 68	32	5	11	26	53	1	26	154	133:40
Sep. 68	35	4	22	14	39	2	34	150	113:58
Oct. 68	32	4	19	19	30	3	34	141	130.38
Nov. 68	32	4	15	15	41	2	29	138	148:44
Dec. 68	30	2	18	20	58	7	32	167	184:11
Jan. 69	26	4	14	16	42	3	26	131	118:10
Feb. 69	28	1	9	10	37	4	20	109	102:35
Mar. 69	24	2	17	16	26	16	29	130	113:53
Apr. 69	13	5	11	15	43	0	24	111	107:50
May. 69	24	6	10	14	48	4	22	128	144:00
Jun. 69	36	2	16	18	44	9	23	148	206:46
Totals	342	43	169	219	507	52	335	1667	1669:95

The San Francisco Int'l Airport had no major aircraft accidents in the fiscal year 1968-69.

SAN FRANCISCO INTERNATIONAL AIRPORT
FIRE-RESCUE EQUIPMENT

UNIT	MOBILE NO.	SFA NO.	MFR/YR	PUMP	WATER	FOAM	DRY CHEM.	CO2	TURRETS	HOSEREELS	HOSE
RESCUE NO. 1	37	65	International 1964	0	0	0	0	100#	0	0	200'1½"
RESCUE NO. 2	32	66	Amer.LaFrance 1966	1000 GPM	500 GAL	50 GAL	0	0	0	2-200' 50 GPM	1M'2-3/4" 200'1½"
RESCUE NO. 3	35	62	Yankee 1960	750 GPM	1400 GAL	300 GAL	0	0	500 GPM 300 PSI	2-200' 60 GPM	0
RESCUE NO. 4	40	67	Yankee Walter 1968	2-1000 GPM	3000 GAL	500 GAL	0	0	1500 GPM 225 PSI	2-200' 65 GPM	0
QUAD NO. 1	38	60	Yankee 1959	1000 GPM	750 GAL	110 GAL	300 lb 2-100'	0	300 GPM 300 PSI	2-200' 50 GPM	1M'2-3/4" 500'1½"
QUAD NO. 2	34	61	Yankee 1959	1000 GPM	750 GAL	110 GAL	300 lb 2-100'	0	300 GPM 300 PSI	2-200' 50 GPM	1M'2-3/4" 500'1½"
TANKER NO. 1	36	63	GMC-1954	685 GPM	4000 GAL	0	0	0	0	0	150'2-3/4"
TANKER NO. 2	33	21	Ford-1956	300 GPM	1300 GAL	50 GAL	0	0	0	2-200' 50 GPM	150'1½"
COMMAND	31	64	Ford-1968	Fire Marshal Car, 4 door sedan							

RESERVE UNITS

RESCUE NO.155	39	20	White-1942	1000 GPM	1000 GAL	100 GAL	0	0	2-250 GPM 200 PSI	0	200'1"
FOAM WAGON	41	A7	GMC - 1942	0	0	260 GAL	0	0	0	0	0
FOAM TRAILER			Trailer	0	0	315 GAL	0	0	0	0	0
HOSE TRAILER			Trailer	0	0	0	0	0	0	0	2100'2-3/4"
LIGHT UNIT			Trailer	10 Lamps - 250 Candlepower							

All equipment with mobile numbers are radio equipped; Tower Frequency and Intervehicle Frequency. Rescue No. 1 carries Resuscitator, Porto-power tools, auxiliary generator, metal cutting power saws and large First Aid Kit. Rescue No. 2 has 2-Scott Air Paks, Resuscitator, Audio Hailer and S.F.F.D. radio. All mobile units have the usual small tools, axes and hand extinguishers. At this date there is another 3500 gallon Crash Truck and an Aerial/Snorkel type Ladder Truck on order. (June 30, 1969)

In Memoriam

NAME	RANK	DATE	STATUS
Bray, John K.	Captain	6-15-68	Retired
Cochrane, William T.	Operator	6-30-68	Retired
O'Hare, William	Fireman	7-11-68	Retired
Phillips, Frank	Fireman	7-16-68	Retired
Sullivan, Dennis	Fireman	7-26-68	Retired
McGuire, Albert	Captain	7-30-68	Retired
Ramus, Victor F.	Fireman	8-3-68	Retired
Booth, Edward	Stationary Engineer	8-5-68	Retired
Sharp, Wilber	Fireman	8-7-68	Retired
Callero, John W.	Fireman	8-11-68	Retired
Flaherty, Michael	Battalion Chief	8-15-68	Retired
Kenny, Thomas	Battalion Chief	8-22-68	Retired
Van Oorschot, George	Inspector, Apparatus	9-10-68	Retired
Hennig, Thomas F.	Operator	9-11-68	Retired
Baumeister, Fred L.	Battalion Chief	9-28-68	Active
Powell, Roy J.	Fireman	9-29-68	Retired
Milias, Stephen A.	Fireman	9-29-68	Retired
Mahoney, John W.	Fireman	9-30-68	Active
O'Neill, William	Fireman	10-1-68	Active
Kleinheinz, Phillip	Fireman	10-9-68	Active
Driscoll, Frank	Fireman	10-16-68	Retired
Trant, Thomas	Fireman	10-17-68	Retired
Wolf, Henry J.	Captain	10-19-68	Retired
Sullivan, John L.	Lieutenant	10-20-68	Retired
Lewis, Loyd J.	Fireman	10-26-68	Active
Pender, Sidney J.	Lieutenant	10-31-68	Retired
Meyer, Arthur E.	Fireman	11-29-68	Retired
Burns, Robert J.	Fireman	12-8-68	Active
Comber, William M.	Fireman	12-19-68	Retired
Hutchinson, George R.	Fireman	12-20-68	Active
Park, Herbert	Fireman	12-23-68	Retired
Dallimonti, Remo V.	Fireman	1-18-69	Active
Dunleavy, James F.	Operator	1-27-69	Retired
Cotter, David J.	Investigator	1-31-69	Retired

In Memoriam

NAME	RANK	DATE	STATUS
Nihill, Lawrence L.	Lieutenant	2-6-69	Retired
Kolby, Reinhard C.	Fireman	2-8-69	Retired
Murphy, John C.	Captain	2-10-69	Retired
Ferree, Elmer V.	Fireman	2-17-69	Active
Cummings, Ralph M.	Stationary Engineer	2-19-69	Retired
Meehan, Patrick	Fireman	2-20-69	Retired
Nolan, Harry T.	Fireman	2-24-69	Retired
Roebuck, Gladys V.	Stenographer	2-24-69	Active
Moeller, William E.	Fireman	3-5-69	Retired
Richter, Philip	Lieutenant	3-6-69	Retired
Oliva, Arthur S.	Battalion Chief	3-10-69	Active
Nisidio, Garrett D.	Fireman	3-21-69	Active
Conway, James F.	Fireman	4-4-69	Retired
Willis, Harold G.	Lieutenant	4-10-69	Retired
O'Connell, Patrick M.	Fireman	4-11-69	Retired
Bresnean, Eugene A.	Engineer	5-1-69	Retired
French, Raymond C.	Fireman	5-7-69	Retired
Linney, Patrick	Utility Plumber	5-16-69	Retired
Rose, John E.	Lieutenant	5-17-69	Retired
Mitchell, Leo F.	Lieutenant	6-2-69	Retired

SAN FRANCISCO FIRE DEPARTMENT

ANNUAL REPORT 1969-1970

SAN FRANCISCO FIRE DEPARTMENT

ANNUAL REPORT

1969-1970

FIRE COMMISSION

FRANK ALIOTO	PRESIDENT
RUDY THAM	VIC. PRES.
MORRIS BERNSTEIN	COMMISSIONER

CHIEF OF DEPARTMENT

WILLIAM F. MURRAY

Honorable
JOSEPH L. ALIOTO
Mayor

F I R E C O M M I S S I O N

Honorable
FRANK N. ALIOTO
President

Honorable
MORRIS BERNSTEIN
Commissioner

Honorable
RUDY THAM
Vice President

RAYMOND G. CONNORS, JR.

WILLIAM F. MURRAY
CHIEF OF DEPARTMENT

KEITH P. CALDEN
DEPUTY CHIEF OF DEPARTMENT

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CHIEF OF DEPARTMENT

CITY AND COUNTY OF SAN FRANCISCO

SAN FRANCISCO FIRE DEPARTMENT

OFFICE
IEF OF DEPARTMENT

260 GOLDEN GATE AVE.
SAN FRANCISCO CA. 94102

September 8, 1970

Honorable President and Members
of the Fire Commission
San Francisco Fire Department

Gentlemen:

As Chief of Department, it is my pleasure to submit herewith the Annual Report of the San Francisco Fire Department for the Fiscal Year, 1969-1970. I submit this report in accordance with the provisions of Section 20 of the Charter of the City and County of San Francisco.

This report is submitted in a combination of narrative and statistical form to factually report the basic accomplishments of each Division of the Department during the past year.

It is with sincere pride that I express my appreciation to each and every member of this Department for his loyalty, courageous performance of duty and contribution to the morale of the Department. It is this quality of fire-fighting proficiency and dedication which is vital to the high reputation in which our Department is held throughout the nation.

I also take this opportunity to express my appreciation of the cooperation and invaluable assistance extended to this Department by your Honorable Commission, by the office of the Mayor and by the Board of Supervisors. My gratitude is extended also to the news media and to the civic minded individuals and organizations for their support in assisting this Department in achieving the maximum fire-safety for the citizens of San Francisco.

Respectfully submitted,

William F. Murray

William F. Murray
Chief of Department

ADMINISTRATION

II
ADMINISTRATION

CHIEF STAFF OFFICERS

Specialized Auxiliary Service

SAN FRANCISCO FIRE DEPARTMENT

Headquarters

260 Golden Gate Avenue

Division of Administration — Room No. 225
Clarence G. Rosenstock - Assistant Chief of Department

Division of Fire Prevention and Investigation — Room No. 327
Emmet D. Condon - Assistant Chief of Department

Division of Special Services — Room No. 210
Joseph P. Daly - Assistant Chief of Department

Disaster Corps — Room No. 309
(Fire Reserve) Russell B. Martin - Battalion Chief
(Plant Protection) William P. Gregg - Battalion Chief

Bureau of Community Relations — Room No. 309
Earl J. Gage - Director

****

Division of Training — 2310 Folsom Street
Rene' A. Gautier - Assistant Chief of Department

Bureau of Assignments and Communications — 1003 Turk Street
William J. Graham - Battalion Chief

Bureau of Equipment — Tennessee Street
Donald W. McMillan - Lieutenant

SAN FRANCISCO FIRE DEPARTMENT

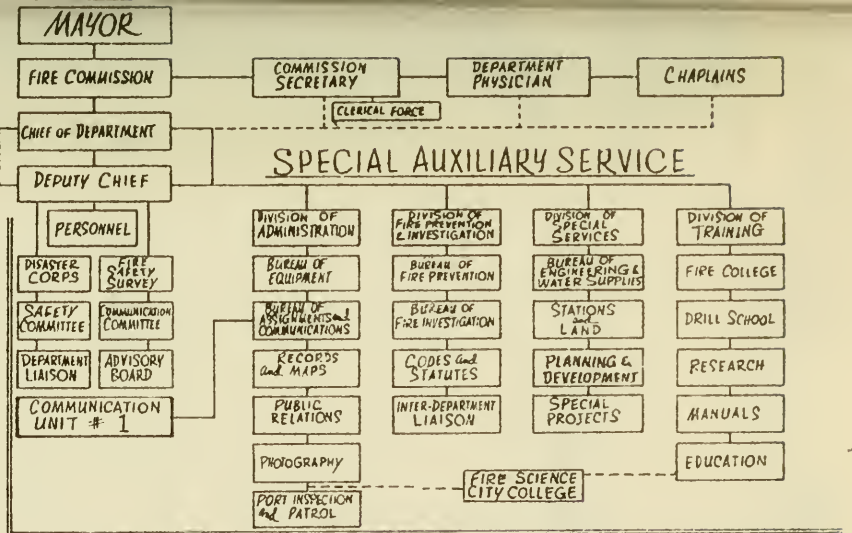
BASIC ORGANIZATION CHART

SEC: 203 RULES & REGULATIONS

FIRE FIGHTING SERVICE

3 DIVISIONS
11 BATTALION DISTRICTS
47 ENGINE COMPANIES
20 TRUCK COMPANIES
* 7 HOSE TENDERS
4 SALVAGE COMPANIES
2 RESCUE COMPANIES
2 SERVICE UNITS
1 FIRE BOAT
* 13 SPECIAL UNITS
1 AIRPORT SECTION

IN SERVICE



			ENGINES	TRUCKS	H.T.	SALV.	RESCUE	F.B.	SPECIAL UNITS
DIVISION # 1	BATTALION # 1	4 STATIONS	1-5-28-41	2-13	1-8	3			VALVE UNIT
	BATTALION # 2	4 STATIONS	6-14-27-29	6		1			W.T. 3 & 4 FUEL UNIT; HEF 1 & 2
	BATTALION # 3	6 STATIONS	2-4-9-17-35	1-8	4		1	1	W.T. # 1 & 2 S.L. # 1 & 2 AIR COMPRESSOR COFFEE UNIT
DIVISION # 2	BATTALION # 4	4 STATIONS	3-8-15-20	3-4-16	7	2	2		SERVICE UNIT # 1
	BATTALION # 5	4 STATIONS	21-26-34-40	5-10-12	5				
	BATTALION # 7	4 STATIONS	22-36-46-47	14					
	BATTALION # 8	4 STATIONS	23-44-45-49	18-20					SERVICE UNIT # 2
DIVISION # 3	BATTALION # 6	4 STATIONS	7-10-13-24	7-11	6	4			
	BATTALION # 9	5 STATIONS	30-33-38-39-43	15-19					
	BATTALION # 10	4 STATIONS	11-18-32-42	17					
	BATTALION # 11	5 STATIONS	16-19-25-37-48	9	3				FOAM UNIT
	AIRPORT	2 STATIONS	AIRPORT RESCUE COMPANIES 1 and 2						

* RESERVE STATUS H.T. 3,5,7 & 8: W.T. 2,3 & 4: FUEL UNIT: HI-EX FOAM 1 & 2: S.L. 1: COFFEE UNIT: FOAM UNIT:

FRANCISCO FIRE DEPARTMENT
CERTIFIED PERSONNEL -- SPECIALIZED AUXILIARY SERVICE

AUTHORIZED PERSONNEL
BUDGET 1969 - 1970

	C.D. 140	D.C. 150	A.C. H-50	B.C. H-40	CAPT. H-30	LT. H-20	OFR. H-10	PRMN H-2	FILOT H-120	M.ENGR. H-110	CAPT. H-32	LT. H-22	LT. H-24	INSP. H-4	INV. H-6	TOTAL
F OF DEPARTMENT	1						3									4
TY CHIEF OF DEPARTMENT		1					3									4
STER CORP - PLANT PROTECTION				2		1										3
IC ASSEMBLY					1											1
R FRONT SECURITY								1				1				2
SION OF ADMINISTRATION			1		2	1	1	3								8
AU OF ASSIGNMENTS				1		8		8								17
AU OF EQUIPMENT						1		8								9
SION OF TRAINING			1		1	3	1	1								7
SION OF FIRE PREV. & INV.			1													1
AU OF FIRE INVESTIGATION													1		7	8
AU OF FIRE PREVENTION											1	2		27		30
SION OF SPECIAL SERVICES			1													1
OF ENG. & WATER SUPPLY								7								7
	1	1	4	3	4	14	8	28			1	3	1	27	7	102
FIRE FIGHTING SERVICE																
DIVISIONS 1,2,3			10				10									20
DISTRICTS 1 / 11				36			36									72
NE COMPANY 1 HT 1					1	2		19								22
NE COMPANY 2					1	2		16	(T)							19
NE COMPANY 3					1	2		16	(T)							19
NE COMPANY 4					1	2		17	(T)							20
NE COMPANY 5					1	2		16								19
NE COMPANY 6					1	3		16								20
NE COMPANY 7					1	2		13								16
NE COMPANY 8 HT R-7					1	2		16								19
NE COMPANY 9					1	2		13								16
NE COMPANY 10 HT 6					1	2		19								22
NE COMPANY 11					1	2		13								16
NE COMPANY 13					1	2		16								19
NE COMPANY 14					1	2		17								20
NE COMPANY 15					1	3		16								20
NE COMPANY 16					1	2		13								16
NE COMPANY 17 HT 4					1	2		19	(T)							22
NE COMPANY 18					1	2		13								16
NE COMPANY 19					1	2		13								16
NE COMPANY 20					1	2		13								16
NE COMPANY 21					1	2		16	(T)							19
NE COMPANY 22					1	2		13								16
NE COMPANY 23					1	2		13								16
NE COMPANY 24					1	2		13								16
NE COMPANY 25 HT R-3					1	2		13								16
NE COMPANY 26					1	2		13								16
NE COMPANY 27					1	2		16								19
NE COMPANY 28 HT R-8					1	2		16								19
NE COMPANY 29					1	2		16								19
NE COMPANY 30					1	2		13								16
NE COMPANY 32					1	2		13								16
NE COMPANY 33					1	2		13								16
NE COMPANY 34 HT R-5					1	2		17								20
NE COMPANY 35					1	2		16								19
NE COMPANY 36					1	2		13								16
NE COMPANY 37					1	2		13								16
NE COMPANY 38					1	2		13								16
NE COMPANY 39					1	2		13								16
NE COMPANY 40					1	2		13								16
NE COMPANY 41					1	2		17								20
NE COMPANY 42					1	2		13								16
NE COMPANY 43					1	2		13								16
NE COMPANY 44					1	2		13								16
NE COMPANY 45					1	2		13								16
NE COMPANY 46					1	2		13								16
NE COMPANY 47					1	2		13								16
NE COMPANY 48					1	3		13								17
NE COMPANY 49					1	2		13								16
K COMPANY 1					1	3		20	(T)							24
K COMPANY 2					1	3		20								24
K COMPANY 3					1	3		19	(T)							23
K COMPANY 4					1	2		20	(T)							23
K COMPANY 5					1	3		19								23
K COMPANY 6					1	2		19								22
K COMPANY 7					1	3		20	(T)							24
K COMPANY 8					1	2		20								23
K COMPANY 9					1	3		20								24
K COMPANY 10					1	3		20								24
K COMPANY 11					1	3		19								23
K COMPANY 12					1	3		20								24
K COMPANY 13					1	3		20	(T) ---((T) Training Position)---							24
K COMPANY 14					1	3		19								23
K COMPANY 15					1	3		20								24
K COMPANY 16					1	2		20								23
K COMPANY 17					1	3		19								23
K COMPANY 18					1	3		20								24
K COMPANY 19					1	3		19								23
K COMPANY 20					1	3		19								23
RE BOAT** 1					1	2		13	3	4						23
UE SQUAD 1					1	2		13								16
UE SQUAD 2					1	2		13								16
ICE SQUAD 1								3								3
CHLIGHT 1 (R)																
CHLIGHT 2								3								3
R TOWER 1								3								3
R TOWER 3 (R)																
COMPRESSOR 1								3								3
AGE COMPANY 1					1	2		10								13
AGE COMPANY 2					1	2		12								15
AGE COMPANY 3					1	2		10								13
AGE COMPANY 4					1	2		10								13
ORT COMPANY					1	6	1	36								44
EF PERSONNEL			1	6	7	40	3	47								104
	1	1	15	45	86	227	58	1277	3	4	1	3	1	27	7	1756

Note: HT R
(R) is reserve unit.

MISSIONERS OFFICE	NON-UNIFORM FORCE												PUMP STATIONS				HYDRANT DEPARTMENT				
	COM 150	SEC 1540	ACC 1654	ACC 1650	SCS 1446	SCT 1426	CT 1424	SS 1452	FPC 1820	SPPC 1822	PHT 2220	WSS 5143	0172	7205	7334	01661	7333	7230	7323	7338	7514	
OMMISSIONERS	3	1	1	1		1	1	1	1	1	1											12
'S OFFICE					1	1																2
OF FIRE PREV.					1		1															2
OF ENGR. & WATER												1	1	1	7	2	7	1	1	14	3	38
UPPLY												1	1	1	7	2	7	1	1	14	3	54
	3	1	1	1	2	2	2	1	1	1	1											
	16											38										

F. Murray, Chief

ADMINISTRATION

PERSONNEL

Employments:

The total number of authorized employments for the Fire Department totaled 1810 for fiscal year 1969-70. This number of authorized employments remained the same for fiscal year 1968-69, with the exception that one H2 Fireman was reclassified to the rank of H10 Chiefs' Operator. The total Fire Department authorized employments for 1969-70 is detailed as follows:

UNIFORMED FORCE

1	Chief of Department
1	Deputy Chief of Department
15	Assistant Chief of Department
45	Battalion Chief
86	Captain
227	Lieutenant
58	Chiefs' Operator
1277	Fireman
3	Pilot - Fireboat
4	Marine Engineer - Fireboat
1	Captain - Bur Fire Prev.
3	Lieutenant - Bur.Fire Prev.
27	Inspector - Bur.Fire Prev.
1	Lieutenant - Bur.Fire Inves.
7	Investigator - Bur.Fire Inv.
1756	TOTAL - UNIFORM FORCE - 97.9%

NON-UNIFORMED FORCE

Headquarters Office

3	Fire Commissioner
1	Secretary - Fire Commission
1	Physician (Part Time)
1	Principal Accountant
1	Senior Payroll & Personnel Clerk
1	Payroll & Personnel Clerk
2	Senior Clerk-Stenographer
1	Stenographic - Secretary
2	Senior Clerk Typist
2	Clerk Typist
1	Accountant
16	Total Headquarters Office

Bur. Eng. & Water Supply

1	Supt. - Bureau Water Supply
1	Foreman - Bur. Water Supply
1	Sub-Foreman-Bur.Water Supply
1	Chief Operating Engineer
1	Chief Stationary Engineer
2	Jr. Operating Engineer
6	Stationary Engineer
1	Stationary Engr. (Relief)
6	Jr. Stationary Engineer
1	Jr. Stationary Engr.(Relief)
14	Utility Plumber
3	General Laborer
38	Total - Bur.Eng. & Water Supply
54	TOTAL NON-UNIFORM - 2.1%

TOTAL EMPLOYMENTS

JULY 1, 1969

1,810

Specific assignments of these employments are detailed on the authorized personnel assignment chart opposite this page.

ADMINISTRATION

PROMOTIONS - UNIFORMED FORCE

The following promotions were made in the various uniformed ranks of the Department during the fiscal year 1969-1970:

Rank	Effective Date
Assistant Chief of Department (C.S. H50)	
(1) Charles W. Carli	2/19/70
(2) Joseph M. Schneider	4/ 1/70
Battalion Chief (C.S. H40)	
(1) James P. Ragland, Jr.	2/10/70
(2) Eugene F. Nielsen	2/10/70
(3) Charles L. Carr	2/10/70
(4) Harold Derham	2/10/70
(5) Allen G. Burnham	2/10/70
(6) Robert D. Quinn	2/10/70
(7) John H. Sherratt	2/19/70
(8) Andrew C. Casper	3/16/70
(9) Jack F. Cavallero	4/ 1/70
(10) Edward E. Murphy	5/19/70
Captain (C.S. H30)	
(1) Peter H. Nielsen	8/16/69
(2) Donald V. Brady	8/25/69
(3) George W. Morris	8/25/69
(4) Leslie G. Hopkins	11/ 5/69
(5) Edward J. Phipps	11/16/69
(6) James J. O'Looney	2/10/70
(7) Lee J. Bernsdorf	2/19/70
(8) Thomas C. Maculuso	3/10/70
(9) Martin T. Gallagher	3/16/70
(10) Bernard Feldhaus	3/16/70
(11) William E. Britt	4/ 1/70
(12) John W. Flaherty	5/19/70
(13) Richard J. Paganelli	6/19/70
Lieutenant (C.S. H20)	
(1) John F. McGovern	7/16/69
(2) Gerard T. Flaherty	8/16/69
(3) Norman F. Lingsch	8/25/69
(4) Robert E. Becker	8/25/69
(5) George L. Vouchilas	9/ 1/69
(6) William E. Hennessey	9/ 1/69
(7) Michael J. Griffin	9/ 1/69
(8) John Arevalo	10/ 5/69
(9) Patrick F. Maloney	10/24/69
(10) Thomas J. Ryan	11/ 1/69
(11) John F. Pender	11/ 5/69
(12) Paul F. D'Angelo	11/ 5/69
(13) Joseph A. Cliff	11/16/69
(14) Philip C. Favro	12/ 7/69
(15) Richard M. Marracq	12/18/69
(16) Robert Hammermeister	2/10/70

Rank	Effective Date
Lieutenant (C.S.H20) - Continued	
(17) Robert J. Coyle	2/19/70
(18) Peter M. Sorensen	3/10/70
(19) Francis J. VanHoutte	3/16/70
(20) Albert F. Gori	3/16/70
(21) Norbert M. Alvarado	4/ 1/70
(22) Robert W. Little	4/ 8/70
(23) John Sanchez	5/ 5/70
(24) Ralph P. Armstrong	5/19/70
(25) Robert M. Frazier	5/24/70
(26) Michael T. Farrell	6/ 1/70
(27) Rene Chavez	6/ 1/70
(28) Raymond J. Toland	6/19/70
Chiefs' Operator (C.S. H10)	
(1) Arthur C. Kuersten	7/ 1/69
(2) William M. Keating	8/16/69
(3) Elmer M. Ballard	10/ 5/69
(4) Jack D. Polan	11/ 5/69
(5) Alfred J. Fioresi	3/ 1/70
(6) Robert E. Blanchard	5/ 1/70
(7) John J. Norton	5/24/70
Inspector - Fire Prevention (C.S.H4)	
(1) Richard R. Crispen	3/16/70
Investigator - Arson (C.S. H6)	
(1) James B. Mahoney	2/10/70
(2) Emil Champion	2/10/70
Pilot - Fireboat (C.S. H170 Plt)	
(1) Manuel K. Lehua	12/ 1/69

PROBATIONARY UNIFORMED APPOINTMENTS

(H110 Marine Engineer - Fireboat)

Appointed: (1) January 2, 1970 - Blaine P. Hardy
(2) January 19, 1970 - Thomas C. Collins

(H2 Fireman)

Appointed September 16, 1969

(1) Robert L. Vergano
(2) William S. Norton
(3) Walter E. Glynn
(4) Robert J. Dunne
(5) Sam C. Harper
(6) David J. Lavelle, Jr.
(7) Wayne D. Mitchell
(8) George S. Alboff
(9) John P. Flaherty, Jr.
(10) Robert C. Jabs
(11) Gary E. Dale
(12) Ronald R. Mauer
(13) William J. Tobin
(14) Albert L. Thuesen, Jr.
(15) George O. Bullwinkel
(16) John L. Coggin
(17) Robert E. Ness
(18) Joseph H. Pardo
(19) Michael D. Weissgerber
(20) Charles L. Terry, Jr.
(21) Robert E. Callaghan
(22) John C. Parent
(23) Garrett G. Griffin
(24) Bruce K. Wagner
(25) Richard L. Hartmann
(26) James E. Leonard

PROBATIONARY UNIFORMED APPOINTMENTS

(H2 Fireman)

Appointed September 16, 1969 - cont.

(27) John F. Hildermann
(28) James Scott
(29) Michael J. Patterson
(30) Richard J. Russo
(31) Benjamin E. Lugan, Jr.
(32) Richard J. Gibson
(33) (Mervin L. Clayton, Fireman restored to position eff. 9/16/69)

Appointed November 17, 1969

(34) James J. Healy
(35) Charles R. Rapp
(36) Edward J. Fitzpatrick
(37) John W. Ahern
(38) Nicholas J. Iacchei
(39) Jimmy F. Langwell
(40) Maurice M. Thouvenin
(41) Earl G. Shuholm
(42) Richard M. Holsworth
(43) Edward F. Cruz
(44) Melvin L. Canevaro
(45) David P. Rege
(46) Alexander F. Markel
(47) Paul M. Sheehan
(48) David E. Grainger
(49) Jimmy A. Keller
(50) Albert P. Jones, Jr.
(51) Jerry N. Meyer
(52) Gary D. Curto
(53) William F. Schorr
(54) Raymond G. Tomasello

Appointed December 1, 1969

(55) Frank L. Macillus, Jr.

Appointed January 5, 1970

(56) Joseph A. Scannell
(57) Leonard R. Labagh
(58) Patrick W. White
(59) Austin A. Wall
(60) Richard P. Allen
(61) Stephen M. Sellin
(62) John I. Dobshinsky
(63) Gerald Shannon
(64) David W. Jackson
(65) Ervin O. Melchert
(66) Harold Gamble
(67) Mark J. Barbano
(68) Robert L. Fisher
(69) John F. McCloskey, Jr.
(70) Kenneth J. Conroy
(71) Joseph A. Douglass
(72) Joseph M. Wright
(73) Michael R. Rogers

Appointed March 2, 1970

(74) William A. Jordan
(75) Gerald L. Grey
(76) Walter L. Feyling
(77) Joseph P. Hebel
(78) Gary A. May
(79) Wallace G. Quinn
(80) Mark W. Liddell
(81) Ronald R. Barney
(82) Richard W. Jonasson
(83) David J. Adams
(84) Larry M. Henry
(85) Lawrence J. Wright
(86) Robert G. Boudoures
(87) Karl H. Baeck
(88) Richard J. Tomlinson
(89) Donald E. Dennehy
(90) Allan S. Reinhard
(91) Cobdon D. Hitchon
(92) Douglas L. Goodin
(93) Robert A. Barbara

Appointed April 16, 1970

(94) James W. Allan
(95) George S. Artemoff
(96) Daniel L. Bastian
(97) Robert G. Blackburn
(98) John P. Clare
(99) William P. Deas
(100) Leonard E. De Stefano
(101) Robert M. Dickson
(102) Jack P. Fitzpatrick
(103) David H. Gallon
(104) Edward N. Gee
(105) Mark W. Huntley
(106) Rodrigo N. Izquierdo
(107) Guy A. Markell
(108) Joel Moeller
(109) Michael J. Moriarty
(110) Robert E. Nafziger
(111) Robert G. Oller
(112) Edward F. Perricone
(113) Peter D. Roybal
(114) Lawrence J. Schlarmann

Appointed May 1, 1970

(115) Frank J. Martorana

ADMINISTRATION

Total Appointments - Uniformed Force

Permanent

Assistant Chief	2	Pilot - Fireboat (PLT)	1
Battalion Chief	10	Marine Engineer - Fireboat	2
Captain	13	Fireman	115
Lieutenant	28		
Chiefs' Operator	7		
Inspector	1		
Investigator	2		

Civilian Force Appointments

John Menzel	Water System Sub-Foreman (TNCS)	6/16/69
Martha Shiroma	Payroll & Personnel Clerk	7/ 7/69
Mary Ann Roberts	Senior Clerk-Typist	8/ 1/69
Clement Ferreira	Jr. Stationary Engineer	8/21/69
Charles E. Stalder	Stationary Engineer	9/ 1/69
Maureen E. Hrenoff	Clerk-Typist	9/15/69
Steven E. Wedi	Stationary Engineer	10/ 1/69
John Menzel	Ret. to Utility Plumber	11/ 1/69
Patrick Cunningham	Water Supply Sub-Foreman (PLT)	11/16/69
Charles T. Camilerri, Jr.	Jr. Stationary Engineer	11/24/69
Theresa O'Connell	Senior Clerk-Stenographer	2/ 2/70
Patrick Lydon	Jr. Stationary Engineer (TNCS)	3/ 1/70
Gerald C. Wilson	Jr. Stationary Engineer (TNCS)	3/27/70
Rev. Herman H. Heuer	Protestant Chaplain	6/ 9/70

Fire Commission Appointments

Upon approval of His Honor the Mayor, the administrative officers of the Fire Commission remained the same as for calendar year 1968:

Frank N. Alioto	-	President
Rudy Tham	-	Vice-President
Morris Bernstein	-	Commissioner

UNIFORMED FORCE TERMINATIONS

Rank	Date	Name	Cause
Assistant Chief	12/16/69	Henry A. Lindecker	Service
	3/21/70	Donal P. Cummins	Service
Battalion Chief	7/21/69	William H. Evans	Service
	8/23/69	Rafaello T. Landi	Service
	10/23/69	Armando J. Venturi	Service
	12/29/69	Loyd W. Gray	Service
	4/ 1/70	Stanley S. Stojkovich	Disability
	6/ 9/70	Arthur J. English	Disability
Captain	7/30/69	Arthur A. Lock	Service
	11/ 4/69	Edward T. McGovern	Service

UNIFORMED FORCE TERMINATIONS

Rank	Date	Name	Cause
Captain (cont.)	2/10/70	Walter J. Junge, Jr.	Disability
	3/ 7/70	Robert G. Calson	Service
	3/ 9/70	Adolph Penebsky	Service
	5/ 1/70	Hugh E. Maguire	Service
Lieutenant	8/18/69	James A. Kerr	Service
	10/18/69	Melvin Entrup	Death
	10/22/69	Walter C. Danjus	Service
	12/ 1/69	Leo J. Pallas	Service
	12/ 6/69	Carl A. Schimmeier	Service
	2/19/70	William Kenna	Death
	4/11/70	Frederick A. Schier	Service
	4/29/70	Aurelio J. Musante	Service
	5/ 5/70	Emil R. Halversen	Service
	5/24/70	Eugene McLaughlin	Service
	6/ 1/70	Daniel J. Harrington	Service
Arson Investigator	12/16/69	James L. McDonough	Service
	12/18/69	Earl Grimm	Death
Fire Prevention Inspector	3/ 5/70	William W. Klesow	Service
	5/ 1/70	Jack DeVincanzi	Disability
Fireboat Pilot	12/ 1/69	Thomas E. Kenney, Jr.	Service
Fireboat Marine Engineer	11/ 2/69	Arlow C. Moreland	Service
	1/ 1/70	Daniel B. Donovan	Service
Chiefs' Operators	7/16/69	Dewey Stojkovich	Disability
	8/ 9/69	Patrick O'Connor	Service
	2/15/70	Cornelius E. Lynch	Disability
Fireman	7/ 2/69	Leland F. Brown	Service
	7/ 2/69	Raymond L. Helms	Disability
	7/12/69	Robert J. Ricketts	Resigned
	7/13/69	William C. Buckius	Service
	7/16/69	Rinaldo J. Galiata	Disability
	8/ 1/69	Neil S. Shea	Resigned
	8/ 2/69	Morris J. Selland	Death
	8/ 5/69	Roosevelt Max	Service
	8/ 9/69	John Hazen	Service
	8/16/69	Gary R. Kern	Resigned
	8/18/69	John M. Beattie	Service
	8/25/69	Peter J. Cooney	Disability
	9/ 1/69	Gary J. Lund	Resigned
	9/ 5/69	Phillip M. Harris	Disability
	9/ 6/69	Charles H. Kimball	Disability
	9/20/69	Robert F. Callahan	Disability
	10/ 1/69	Fred N. Kozy	Disability
	10/ 6/69	Elton E. Suhling	Service
	10/13/69	David McCarthy	Death
	10/17/69	Paul G. Heilman	Service
	10/17/69	Henry Pera	Service
	10/23/69	Herman M. Barber	Disability
	10/24/69	Harry J. Rice	Disability
	10/29/69	John M. Stephens	Disability

UNIFORMED FORCE TERMINATIONS

Rank	Date	Name	Cause
Fireman (cont.)	11/ 4/69	Bert L. Smith	Service
	12/12/69	Joseph M. Everson	Disability
	12/12/69	Robert F. Scharetg	Disability
	12/14/69	Lloyd H. Jacobs	Service
	12/21/69	Edwin C. Kennedy	Service
	12/21/69	Walter T. Brodie	Disability
	1/28/70	Wilber E. Dunker	Death
	2/ 1/70	Raymond J. Martin	Service
	2/ 5/70	Frank Spes	Disability
	2/ 7/70	John J. Oliva	Service
	2/13/70	Frederick Minshall	Death
	2/24/70	Arthur H. Gloistein	Service
	3/ 1/70	Vincent T. Sheehan	Service
	3/ 1/70	Frank E. Long	Service
	3/27/70	John J. Wilson	Service
	4/ 6/70	Peter W. Molloy	Service
	4/10/70	Martin M. Cooney	Service
	4/28/70	Thomas V. Cradock	Service
	4/29/70	Albert Verza	Service
	5/22/70	Robert L. Hutchinson	Death
	6/ 1/70	Edward E. Henry	Service

Total Uniformed Force Terminations - 1969-1970

Retirements (Service)	- - - - -	48
Retirements (Disability	- - - - -	20
Resigned	- - - - -	4
Death	- - - - -	8
	TOTAL	80

DISCIPLINARY ACTION

December 2, 1969:

Fireman Charles J. Radford suspended for a period of ten days for violation of Section 3901 of the Rules and Regulations - Active Participation in another gainful occupation.

December 16, 1969:

Fireman Leonard V. Berardi suspended for a period of two months for violation of Sections 3919, 3922 and 3923 of the Rules and Regulations - Indecent Language, Disobedience, Insubordindation.

ADMINISTRATION

Meritorious Commendations

On February 24, 1970, the Fire Commission approved the recommendation of the Fire Department Merit Advisory Board for Meritorious Award to the following Department members:

Class "B" Award

Lieutenant Walter A. Crombie

Class "C" Award

Assistant Chief Leo A. Olson
Fireman Russell Lease
Fireman John Q. Murphy
Fireman Philip Favro
Fireman James Thompson

Class "D" Award

Lieutenant Frank Cercos, Jr.
Fireman J. Sabastinelli
Fireman J. Ward
Fireman Eugene Gard
Fireman David Dyc

31 other officers and firemen were also granted "Letters of Commendation" for their Meritorious Actions at fires or other emergency responses.

Meritorious Award Justifications:

Class "A" = A voluntary action in relation to the saving of human life under the most adverse conditions and at extreme personal risk.

Class "B" = A voluntary action in relation to the saving of human life under dangerous conditions and at great personal risk.

Class "C" = An action of exceptional character and associated with unusual ability, personal initiative and courage.

Class "D" = An action of exceptional character and associated with unusual personal initiative and courage.

ADMINISTRATION

FISCAL

Budget - Personnel Services:

Under provisions of Section 36.2, City Charter, the salaries of the uniformed force of the Department are authorized by the Board of Supervisors. The salary range is based upon survey and certification by the Civil Service Commission of the highest salary paid firemen and police officers in California Cities of 100,000 or more population.

The required Charter survey of August, 1969 reported an increment of 12% for San Francisco firemen as compared to the 1968-69 salary range. This survey was approved by the Board of Supervisors, effective July 1, 1969. Salaries for employees, other than those of the uniformed force, are governed by salary standardization authorized by specific Charter sections.

Personnel

1969-70 - Budget Estimate $23,890,734
1969-70 - Budget Expended $23,646,905*

(*) Like Work - Like Pay (Differential Pay-Uniformed Force)

Effective July 1, 1967, it was required by City Ordinance to compensate members of the Fire Department who are required to be temporarily assigned, to the next higher rank than that in which they are permanently assigned for more than one 24-hour shift. This occurs when necessary to assign a member to a higher rank due to there being no permanent relief member of the higher rank available for said assignment. This requirement incurred an expenditure of $15,512.00, for the Fiscal Year 1967-68. In Fiscal Year 1968-69, this requirement required an expenditure of $33,482, of which $15,000 was authorized in budget estimate, $15,000 by supplemental appropriation and $3,482 by use of Department surplus funds. The authorized budget estimate in this category for 1969-70 was $30,000. It was necessary to increase this estimate by supplemental appropriation in the amount of $45,000 and by funds from the Department Permanent Salary surplus in the amount of $12,473, a total expenditure of $87,473.00.

S.F.F.D.
SALARY RANGE

(Monthly)

Uniformed Force

	July 1, 1969-70
Chief of Department	$2648.00
Deputy Chief of Department	2228.00
Assistant Chief of Department	1807.00
Battalion Chief	1565.00
Captain	1305.00
Lieutenant	1144.00
Chiefs' Operator	1071.00
Captain, Bureau of Fire Prev. & Inves.	1475.00
Lieutenant, Bur. of Fire Prev. & Inves.	1291.00
Inspector, Bur. of Fire Prev.	1178.00
Investigator, Bur. of Investigation	1178.00
Pilot & Marine Engineer, Fireboat	1305.00
Fireman - 1st year	933.00
Fireman - 2nd year	948.00
Fireman - 3rd year	968.00
Fireman - 4th year	983.00

Non-Uniformed Force

	July 1, 1969-70
Fire Commissioner	$ 100.00
Secretary - Fire Commission	1230.00
Physician - (Part Time)	1514.00
Superintendent - Water Supply System	1533.00
Foreman - Water Supply System	9.33 Hr.
Sub-Foreman - Water Supply System	8.93 Hr.
Chief Stationary Engineer (2 - 1969-70)	1200.00
Junior Operating Engineer	775.00
Stationary Engineer	5.43 Hr.
Junior Stationary Engineer	686.00
Utility Plumber	8.12 Hr.
Laborer	37.40 D.
Accountant	813.00
Principal Accountant	1200.00
Clerk-Typist	607.00
Senior Clerk-Typist	670.00
Senior Clerk-Stenographer	686.00
Senior Payroll & Personnel Clerk	757.00
Payroll & Personnel Clerk	565.00
Stenographic Secretary	795.00

D. = Daily Rate
Hr. = Hourly Rate

ADMINISTRATION

Budget - Operating:

This budget category represents the fiscal operating expense of the Fire Department.

1969-70 - Budget - Estimate $692,821
1969-70 - Budget - Expended $686,914

Item	Estimate 1969-70	Expended 1969-70
Contractual Services	$599,806	$591,794
Local Fares - Airport	500	433
Materials and Supplies	84,451	86,143
Fixed Charges	3,820	4,301
Meritorious Awards	4,244	4,244

Budget - Equipment:

The equipment authorized in the 1969-70 Budget reflects the sound policy of the Department in planning for the provision and replacement of required apparatus and equipment without resort to Bond Issue.

1969-70 - Budget - Estimate $285,000
1969-70 - Budget - Expended $275,603

Budget Recapitulation and Comparison:

Category	Expended	Estimate	Comparison
Personnel Services	$23,890,734	$23,646,905	$(-)243,829
Contractual Services	599,806	591,794	(-) 8,012
Local Fares - Airport	500	433	(-) 67
Materials & Supplies	84,451	86,143	(+) 1,692
Equipment	285,000	275,603	(-) 9,397
Fixed Charges	3,820	4,301	(+) 481
Meritorious Awards	4,244	4,244	(0) -
TOTAL	$24,868,555	$24,609,423	$(-)259,132

Department Receipts:

Recorded Department Revenues for the Fiscal Year 1969-70 are reported as follows:

Permit Fees - - - - - - - - - - - - - - - - - -	$ 6,244
Sale of Electricity: (Pumping Station #2 to Fort Mason) - - -	27,847
Damage Recovery and other Revenues - - - - -	12,356
Photo Copy Service Charges - - - - - - - - - -	1,954
Port Commission (Port Fire Protection & Inspection) - - -	111,585
Airport - Hydrant Maintenance - - - - - - - - -	7,000
Salvage Cover Rental - - - - - - - - - - - - -	3,198
TOTAL	$170,184

ADMINISTRATION

BUREAU OF ASSIGNMENTS AND COMMUNICATIONS

The Bureau of Assignments and Communications, located at the Central Fire Alarm Station in Jefferson Square, is truly the "nerve center" of the Fire Department. It is the focal point for directing alarm responses, assignments, details, transfers, vacations and numerous other particulars involving Department personnel. During the hours when the Department Headquarters is closed, many matters normally administered at Headquarters are intercepted and processed at this Bureau.

The main functions performed at the Bureau of Assignments and Communications consist of:

1 - Dispatch Center
2 - Communications Center
3 - Information Center
4 - Personnel Center

The correlation of these functions demand that the personnel assigned to this Bureau be proficient in all of these functions.

Dispatch Center:

Emergency calls for Fire, Rescues, both land and water, Cardiac Arrest and all types of Resuscitations all are directed to this Center. Myriad other calls for assistance such as broken water pipes, leaking gas, falling wires, street washdowns, lock-outs, moving Invalids, broken windows, etc., also are directed to this Center throughout the day. The Dispatch Center is constantly manned by two Lieutenants whose field experience and judgement qualify them to evaluate the urgency of the request, and to dispatch the proper type and number of apparatus. With the cooperation of the Radio Operators of this Center, related agencies are notified where their assistance is required e.g. Ambulance, Gas and Electric, Public Utilities, Police, etc..

Current status of all Chiefs, Companies and Special Apparatus is continuously maintained on the Dispatch Center Record Board. During fiscal 1969-1970 there were 13,4 9 Still Alarms, 20,130 Box Alarms, 126 Second Alarms, 40 Third Alarms, 5 Fourth Alarms, 5 Fifth Alarms and 151 Special Calls, for various types of Companies and Units.

In the never ending attempt to combat our false alarm experience a new Signal designated (2-1) was developed and put into effect December 15, 1969 for a 90 day trial period. This signal, used between 0800 and 2000 hours, has proven so successful it is now a permanent part of dispatching procedure. Fire Alarm boxes struck, preceded by this 2-1 Signal, receive an adaquate yet curtailed response of apparatus. Immediate notification by responding companies at the scene dictate further action, if necessary. Information received from any source of a legitimate emergency, in the area for which the 2-1 is authorized to be struck, will immediately command the striking of the Box and a full alarm response.

Dispatch Center: (Continued)

Since its inception the Signal (2-1) has been struck 2,883 times. The number of Units withheld from response to false alarms was 12,901 while the number of Units dispatched thereto was reduced to 4,399. It is hoped that this signal, coupled to the success already realized by use of Signal (22) will further diminish excessive apparatus response, with its danger of accident, mechanical depreciation of equipment, and will keep apparatus available in areas which otherwise would be depleted of their service.

A rotary file of street locations is constantly maintained in current status. Each street in San Francisco is listed by block number with all intersecting streets, alleys, places and courts. Hospitals and Schools are listed separately for immediate referral. Places of Public Assembly and Hotels are listed both by name and address. Specific instructions concerning fumigation, water flushings, street closures and other applicable information is conspicuously posted for instant reference.

Receivers of Police Radio Channels are monitored during civil disturbances and pertinent information relayed to all field companies, as necessary.

Communications Center:

Radio Operators at this Center play a major role in the dispatching of equipment. All emergency traffic of apparatus passes through their control. Field requests relative to Department operations are immediately forwarded and promptly confirmed.

Daily assignments include radio tests with Base Stations and Mobile Units, tests conducted by the State Civil Defense Radio System, tests of Fire Department Secode Radio System to the San Francisco International Airport, and tests when requested by Radio Technicians of the Department of Electricity.

When required by proper authority, Radio Operators direct Department Units to specific locations and assignments at fire scenes or other emergencies. Responsibility for prompt compliance with directions received over the Department Radio System rests with this Center. These orders require not only proper notification and procurement, but also are followed by written record of each request.

This Center also compiles the "Daily Fire Record and Report of Fire Alarm Form" tabulating all movement of apparatus including Box Alarms, Special Calls, breakdowns and repairs, noting correct time, location and nature of the incident. This is the official record of the Fire Department Emergency Response.

Communications Center: (Continued)

The Communications Unit operating from this Central Fire Alarm Station is also manned by personnel from this Center. This Unit is equipped with 3 Department Radio sets, 1 local Government Radio set, 1 State Fire Network Radio set, 2 Handi-Talkie portable units, Sanborn Maps, Assignment cards, emergency water supply information, high pressure maps, Department General Orders and all Fire Report forms utilized by Chief Officers.

In its first full year of operation, Communications Unit #1 performed service, listed as follows, and totaling 247 - hours of service:

1 - Still Alarm	39 - Third Alarms
5 - Special Calls	5 - Fourth Alarms
75 - Second Alarms	5 - Fifth Alarms

Two examples of the versatility of the Communications Unit were demonstrated by: (1) its use as an emergency dispatch center (Radio) during a power failure at the Central Fire Alarm Station last summer; (2) its use in supply mobile power for the High Intensity Lamp, carried on Rescue Squads; (3) in assisting the Police Department in their search for the suspected slayer of a Police Officer during the first part of this year. The Sanborn Maps were also used for description of the buildings involved in fire emergencies.

Continuous indoctrination of personnel, whose duties bring them in contact with the Communications Unit, is conducted by members assigned thereto.

Information Center:

This Center maintains information essential to emergency operation in the Fire Fighting Divisions. Particular and significant importance is the extensive amount of material catalogued and indexed for immediate reference such as technical books, pamphlets, manuals, location of special keys, maps, records, tools and other information invaluable to field operations. Sources for identifying thousands of chemical compounds, their expected reaction under fire conditions and recommended methods of extinguishment are of inestimable assistance to field personnel. Even if only the products trade name is known it is more than proable the inquiring Field Officer will receive ample information for guidance in effective fire practices.

Multi-Channel tapes with recorded information of potential importance, e.g. Greater Alarms, fatalities and other outstanding events are also preserved at this Center. These tapes are often replayed to substantiate repidity of Fire Department response. These tapes continuously record on five tracks which document all Radio transmissions on tracks one and two, all telephone conversations with Assignment Officers on tracks three and four, and the time at one minute intervals on track five.

Information Center: (Continued)

Gauges equipped with audible alarms are maintained at this Center which monitor any unusual discharge from either Jones or Ashbury Tank of the High Pressure System.

Numerous business concerns have forwarded addresses and telephone numbers of key personnel to be notified in emergencies to this Center. This information has worked to mutual advantage, as such employees are familiar with the building's construction and contents and their presence at the scene often assists in fire approach.

Personnel Center:

Officers of this section of the Bureau of Assignments and Communications have the extremely responsible task of continually equalizing the Department personnel strength throughout the Department, reinforcing manpower shortage in Companies with men from other Divisions when available, reassigning officers and members when deficiencies exist under the "Out-of-Classification Ordinance" are all under their constant consideration. Knowledge of field operations is essential in these decisions. Long range planning for anticipated vacancies demands exceptional foresightedness on the part of the officers assigned to this Center.

Personal cards are maintained for each member of the Department in this Center. These cards provide a chronological history of a member's career in the San Francisco Fire Department, showing assignments, promotions, leaves, vacations etc..

Vacation leave arrangements continue to be an extremely responsible task. Applications have to be prepared in the Fall of each year and distributed to members for completion and return for verification. Seniority list have to be made up by ranks so assignment as said vacations are processed with senority as the predominant factor. Schedules showing days when vacations start and end must be made for the ensuing year. As each vacation period approaches, orders must be prepared for each Battalion District and individual Company or Unit, releasing members from duty for the duration of their respective vacation period and supplying replacements for them, as available. Changes of vacation periods, exchanges of vacation periods between members, use of accumulated vacation time, and intermittent day vacation allowance has increased this work load tremendously.

The responsibility for administering 'Like-Work--Like-Pay' with its personnel movement, payroll preparation and bookkeeping accuracy also is assigned to this Center.

ADMINISTRATION

Related Activities:

The Bureau of Assignments and Communications frequently receives visitors from all parts of the world, Fire Officials as well as Fire Buffs. On these occasions exchanges of information often proves educational to all concerned. Step by step explanations of our methods solicits corresponding information from our guests concerning their respective city Fire Department operations.

Lieutenants, detailed from the field, receive instructions in duties pertinent to assignment and apparatus dispatching. Firemen from the Operators Eligible list are also detailed to this Bureau for training as Communications Headquarters Radio Operators.

The Chief in charge of the Bureau attends all Department Staff Meetings called by the Chief of Department, as well as, frequent conferences with the Deputy Chief of Department, on numerous meetings with the Chief of the Division of Administration, and also maintains close liaison with the Radio Committee. He also responds to Bureau Headquarters, while off duty, on all fourth or greater alarms of fire, upon notification, as well as,on occasion of any unusual event, requiring his attendance.

Summary

This Bureau is required to expedite all Department matters channeled to it by proper authority. Flexible dispatching techniques, through radio control, play a strong emphasis on the importance of this Bureau in its nerve center complex.

Disemination of information, with strict adherence to Department policy, has placed this Bureau in the midst of administrative authority and general field operations. The Bureau of Assignments and Communications is motivated not only by intra-bureau goals, but also by the total Department objectives necessary for high standards of performance.

Fire Alarm Boxes:

The Department of Electricity installed 8 new fire alarm boxes and removed 7 for a net gain of 1 additional fire alarm box during the past fiscal year.

The total street fire alarm boxes now in service number:

Department of Electricity	1,982
Pacific Fire Extinguisher Co. (Reichel)	48
Pacific Auxiliary Fire Alarm Co. (Auto Call)	5
Total-	2,035

Fire Alarm Boxes: (Continued)

Additional assignment cards are maintained for the following auxiliary services:

394 - American District Telegraph Company Locations

110 - Pacific Fire Extinguisher Company (American Burglar Alarm) Locations

10 - Burns Electronic Security Service, Inc.

514 - Total

Total Fire Alarm Box Assignments - - - - 2,549

General Orders and Teletype:

During the fiscal year 1969-70, 186 General Orders were issued for information, instruction and activation of Departmental policy.

As a supplement to General Orders, the following teletype messages were issued to facilitate Departmental operations:

	1969						1970					
Month	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
No.	461	444	389	474	340	357	318	360	437	418	467	474

Total - 1969-70 - - 4,939
Monthly Average - - 412

BUREAU OF EQUIPMENT

Personnel

Lieutenant	1
Firemen	8
Total	9

Apparatus Status:

As of June 30, 1970, the following equipment was in service and in reserve in the San Francisco Fire Department.

	In Service	Reserve
1,000 GPM Combination Engine and Hosewagon - -	2	17
1,000 GPM Triple Combination Pumpers - - - - -	30	0
1,000 GPM Triple Combination Pumper (Civil Defense)	0	1
1,250 GPM Triple Combination Pumpers - - - - -	12	0
1,250 GPM Triple Combination Pumpers Diesel - -	3	0

Apparatus Status: (Continued)

	In Service	Reserve
Aerial Ladders - 100 Foot	15	0
Aerial Ladders - 92 Foot	1	0
Aerial Ladders - 85 Foot	3	0
Air Compressor	1	0
Automobiles - Chief's	16	7
Automobiles - Staff (1-Station Wagon)	31	0
City Service Trailers	1	7
Coffee Unit	0	1
Communication Unit	1	0
Diesel Fuel Unit	0	1
Fireboat	1	0
Foam Unit	0	1
Fuel Unit	0	1
Hi-Expansion Foam Trailers	0	2
Hosetenders	4	7
Hydrant Trucks	22	0
Passenger Bus	1	0
Pipe Dolly (Civil Defense)	0	1
Pipe Dolly Trailer (Civil Defense)	0	1
Portable Compressor - 2 Wheel Trailer	1	0
Rescue Trucks	2	1
Salvage Trucks	4	1
Sand Truck	0	1
Searchlight Engines	1	1
Service Squads	2	0
Tow Truck	1	0
Tractors - Aerials	18	1
Tractor - Aerial Diesel	1	0
Tractors - City Service	1	11
Trucks - Auxiliary Pumpers - 500 GPM (Civil Defense)	0	17
Trucks - Delivery	4	0
Truck - Utility (Airport)	1	0
Trailers - Auxiliary - 500 GPM	0	3
Valve Unit	1	0
Water Tank Units	0	2
Water Towers - Large	1	1
Water Towers - Small	0	2
Total	182	88

Services Performed by Bureau of Equipment 1969-70

Apparatus repaired in shops	415	
Apparatus repaired in quarters	3225	
Bureau of Equipment - Repaired in Quarters	651	
Greased in Shops	173	
Apparatus Tested	36	
Tow Jobs	90	
CO 2 Refills	376	
Ansul Refills	109	
Flashlight Exchanges	279	
Gloves Exchanges	1032	Pairs
Goggles Exchanges	64	
Assisted Division of Special Services	240	

Services Performed by Bureau of Equipment 1969-70 (Continued)

Greater Alarms Responded To	165
Cisterns Serviced	2
Scott Cylinders Delivered	385
Road Tests	1
High Pressure Tests	46
Oxygen Cylinders Delivered	169
Large Air Cylinders Delivered	67
Portable Radios Delivered	44
Miscellaneous	1138
Type "D" Oxygen Cylinders	129

DISASTER CORPS

The Disaster Corps Section of the Department functions in two separate services, Plant Protection and Fire Reserve. Such service is administered by a Battalion Chief selected and assigned to his duties by the Chief of Department.

Plant Protection Service:

The Plant Protection Service is a unit of the San Francisco Disaster Council and Corps. Its prime duties are to develop, within business firms, large buildings, industrial plants and other premises, programs for organizing and training management and occupants to cope with war-caused and natural disasters.

The Battalion Chief assigned to the Plant Protection Service is responsible for training persons in industrial establishments in basic firefighting functions. He can and does serve a dual purpose in On-the-Spot Training of Shelter Managers, Radiological Monitors and Firefighting Forces available within the various large buildings of San Francisco. He is assisted by one Fire Department Lieutenant in this function.

In conjunction with the National Fallout Survey and Marking Program, licensed fallout shelters designated by government contracted engineers are inspected and approved before stocking and marking. The personnel assigned to the Plant Protection Service are the prime representatives of this unit relative to contracts with various licensed shelters and are instrumental in obtaining licenses for buildings not previously licensed.

The following is a breakdown of the principal services performed by the Plant Protection Service during the fiscal year 1969-70:

1. Shelter visits - - - - - - - - - - - - - - - - - 108

2. Number of individuals contacted on Shelter Visits - 160

Plant Protection Service: (Continued)

3. Talks and Demonstrations in safety and use of First Aid Fire Appliances - - - - - - - - - - - - 20

4. Number of people trained under above Section #3 265

5. Examined and replaced RADEF Monitoring Kits in shelters - 221

6. Inspected shelters for stockpiling - - - - - - 73

7. Stocked shelters - - - - - - - - - - - - - - - - 9

Fire Reserve:

The members of the San Francisco Fire Department Fire Reserve are a group of dedicated patriotic citizens. Their services are volunteered to the City and County of San Francisco without remuneration.

The majority of the top officers of the Fire Reserve have served since the Reserve's inception during World War #2. The Fire Science Class at San Francisco City College has been a major source of recruits during the past year.

These men are a group of specially selected and trained citizens. Training exercises are held weekly throughout the year. The Reserve also receives on-the-job training by assisting the San Francisco Fire Department in the extinguishment of multiple alarm fires.

In the event of hostile military action, or of a natural disaster, the Fire Reserve will be greatly expanded to assist in the safeguarding of the lives and property of all our citizens. The present membership will be the nucleus of any required augmented expansion of this organization.

Mobile equipment of the Reserve consists of seventeen 500 G.P.M. pumping engines. Each pumper is equipped with one thousand feet of 2-3/4-inch hose and two hundred feet of 1-1/2-inch hose. Reserve pumpers are designed to pump from fire hydrants and to draft from lakes, ponds, cisterns and the San Francisco Bay.

The Reserve also has available four-thousand, eight-hundred feet of six-inch aluminum pipe for use as portable water mains during any emergency. These portable water mains and the semi-trailer are the property of the California Disaster Office. Should the need arise, additional pipe may be secured from other storage depots throughout the Bay Area.

On October 27, 1969, one 1,000 G.P.M. Class A Pumper was received on loan from the California Disaster Office, Fire and Rescue Division.

Fire Reserve: (Continued)

This pumper is gasoline powered, with an automatic transmission. It has a 1,000-gallon water tank, with booster pump and carries a full complement of hose and firefighting tools and equipment. This is the first pumper this Department has received under this Program.

The Fire Reserve Program is under the supervision of a Battalion Chief of the San Francisco Fire Department.

Membership:

June 30, 1969	76
(Active)	72
(Inactive)	15
(New Members)	38
(Resignations)	22

Activities:

Training Exercises	64
Total Attendance	1,602
Man Hours - Training	3,624
Pumpers Used - Training	109

Greater Alarms Responded to:

Total	39
Attendance	512
Man-Hours of Work	1,396

PUBLIC RELATIONS AND EDUCATION

Throughout the past year our public relations and educational program continued in assignment to thoroughly acquaint the public with all phases of Fire Department activity and with fire safety precautions. Particular emphasis was placed on the programs during Fire Service Recognition Day in May, National Fire Protection Week in October and the availability of the Department's Pioneer Memorial Museum to the public.

Numerous educational addresses, demonstrations, and film showings on fire safety and prevention practices were made before school assemblies, clubs and other public organizations by the Bureau of Fire Prevention, Division of Training and the Disaster Corps agency of the Fire Department. This facility is in constant demand by the public and has proven of great value to municipal relations.

ADMINISTRATION

Photo Unit No. 1 :

Much of the success of the Department public relation and educational program has been due to the dedication of Inspector Chester D. Born, S.F.F.D. Official Photographer. His photographs and movie film of Fire Department operations have been nationally acclaimed throughout the fire service. Their use in our training program alone, has been invaluable. A brief summary of this activity is recorded as follows:

Responses:	1968-69	1969-70
Total Alarms Responded to:	769	810
First Alarms	443	404
Second Alarms	93	106
Third Alarms	37	37
Fourth Alarms	6	5
Fifth Alarms	0	4
Still Alarms	190	254
Rescue Operations	130	142
Fire Investigation Bureau	51	55
Fire Prevention Bureau	7	6
Accidents Involving Fire Dept. Apparatus	27	24
Responses, San Francisco Airport	6	6
Damage to Apparatus, Civil Disobedience	8	5

S.F.F.D. Photos appeared in the following newspapers:

S.F. Examiner
S.F. Chronicle
Catholic Monitor
S.F. Progress
Civil Service Assoc.

S.F.F.D. Photos appeared on the following T.V. Stations.

KGO KPIX KRON

S.F.F.D. Photos appeared in the following Magazines and Pamphlets.

Fire Engineering
N.F.P.A. Firemen Magazine
Fire Station Digest Magazine
Western Fire Journal
City and County Record
Calif. State Firemen's Assn.
Int'l Fire Fighter
Nat'l Geographic Magazine
Hal Lawson Co. Fire Book
Mrs.F.Bailey for Fire Bk.
Upson Company Magazine
S.F.F.D. Annual Report

S.F.F.D. Fire Slides and Movies were shown to the following organizations:

Fire Commission & Chief of Department
Division of Administration
Excelsior Lions Club
Portal Hurst Presbytarian Church Council
49'er Traveler Club, South San Francisco

S.F.F.D. Fire Slides and Movies were shown to the following organizations: (Continued)

Tiburon Fire Dept.
Arden Fire Protection District, Sacramento
West of Twin Peaks Lions Club
Graphic Arts Class, San Francisco City College
Fire Science Class, San Mateo College
Youth Hostel Group, California Hall
Phoenix Society of San Francisco
Glen Park School
Serra Club
Sacramento County Firemen's Assoc. at Sacramento
South Bay Area Fire Forum at Sunnyvale
Father's Club at Cathederal High School
Lowell High School
Probationary Classes, S.F.F.D.

Fire Service Recognition Day:

The Honorable Joseph L. Alioto, Mayor, in coordination with all cities throughout our Nation, proclaimed May 9,1970 as "Fire Service Recognition Day".

It was a day that offered the Fire Department an unusual opportunity to display to the public the professional fire fighting and rescue services available to them through the Fire Department of San Francisco.

The program consisted of the following:

1. All fire stations were open to the public between the hours of 1000 to 1600 hours. Posters announcing "Fire Service Recognition Day" were distributed and displayed at all fire stations.

2. Photographs, taken by the Department Photo Unit, were displayed at all exhibits.

3. The Department record of alarms was recorded on station blackboards or posted on cards to make the public more aware of the ever increasing incidents of response and service performed by the Department.

4. On display in the drill yard of the Fire College were all of our special apparatus, while in the auditorium of the Fire College the film titled "Fire Fighter" was shown. Awards for heroic actions at fires and other emergencies were awarded to members of the department.

5. The Fire Department Museum was open from 1000 hours to 1600 hours for those who cared to view the many items of our heritage displayed therein.

Fire Service Recognition Day: (Continued)

6. At the quarters of Fireboat No. 1, the Fire Department Scuba Team twice demonstrated underwater rescue, surface rescue and water surface fire fighting techniques.

7. An exhibit of our oldest and newest apparatus was held at Winston Drive and Stonestown Mall on May 7. A similar exhibit was held on the Civic Center Plaza on May 8.

National Fire Prevention Week:

National Fire Prevention Week, which emphasizes fire safety rules for the general public, was officially proclaimed by the Honorable Joseph L. Alioto, Mayor of San Francisco, for the week of October 5th to the 11th, 1969.

This program, which is actively sponsored throughout the United States by the National Fire Prevention Association and all municipal fire departments, is traditionally held in October to coincide with the anniversary of the Great Chicago Fire that destroyed a large part of that city in 1871.

Fire Prevention Week was originated in 1911 and encourages, through the news media of press, radio and television agencies together with related fire department programs, public interest in all phases of fire safety.

The Fire Prevention Week program in San Francisco adheres to the basic pattern outlined above. In addition to the official proclamation issued by the Mayor, it also included the following:

1. Public Display of Fire Department material and equipment in selected department stores.

2. A special invitation to the general public to visit the San Francisco Fire Department Pioneer Museum.

3. Distribution of Fire Prevention material by the Bureau of Fire Prevention Company Stations.

4. An accelerated program of Fire Prevention in city schools.

5. Assignment of Fire Prevention personnel to address various civic, fraternal, and district community organizations.

S.F.F.D. Pioneer Memorial Museum:

The San Francisco Fire Department Pioneer Memorial Museum was Officially dedicated on October 5th, 1964. It is located adjacent to the quarters of Engine Company #26 and Truck Company #10, 655 Presidio Avenue and is open to the Public daily, from 1300 to 1700 Hours.

S.F.F.D. Pioneer Memorial Museum: (Continued)

During the period from July 1, 1968 to June 30, 1969, 4,351 guests visited the Museum.

Numerous school children of San Francisco have made regular visits to the Museum in connection with their studies. Other groups of children include: Boyscouts, Cub Scouts, Girl Scouts, Recreation Centers, Social Development Centers, Senior Citizens, and members of Historical Societies. People from various states and many foreign countries have also visited the Museum.

Information regarding the Museum was forwarded to various individuals in the United states at their request.

The Museum was visited by members, retired members and relatives of members and deceased members of the San Francisco Fire Department.

Through the gracious efforts and contributions of members, retired members, relatives of deceased members, interested citizens of San Francisco and the members of the Historical Societies of San Francisco, the Museum stands today as a great memorial.

COMMUNITY RELATIONS BUREAU

In 1965, the Fire Department created an informal Community Relations Unit to establish a closer rapport with the general public, and in particular with the minority community.

On April 29, 1969, the Community Relations Bureau was formally established with the appointment of a Director, whose goals are:

1. Acquaint Community residents with the Fire Department, it's purpose, functions, objectives, operating procedures, scope of jurisdiction and responsibility, it's employment opportunities and any other factors which may promote better understanding of the Fire Department.

2. To provide the Firefighter with a new understanding of a changing community and to create an awareness of the role he must play as a professional whose responsibilities are constantly expanding.

3. Re-establish the Firefighter's image as that of a friend, as well as, a protector of life and property.

4. Open lines of communications in neighborhoods which in recent years have shown unexpected hostility toward Firefighters.

5. To encourage public support for the career and salary aspirations of the professional Firefighter.

ADMINISTRATION

In an effort to achieve these goals the Community Relations Bureau has implemented the following:

1. San Francisco Fire Department Community Relations Course. July 7-18, 1969

   A. The Community Relations Bureau and the Fire Science Technology Department at the San Francisco City College formulated a Community Relations course of study for twenty-six (26) members of the San Francisco Fire Department.

   B. The course was designed to provide the Firefighter with a new understanding of a changing community and to create an awareness of the role he must play as a professional whose responsibilities are constantly expanding.

   C. Upon completion of the two week course, by the twenty-six (26) Firefighters who were in attendance, each student was requested to submit a composition. All compositions submitted were excellent and indicated that the Community Relations Course was of great value. Without exception, every student indicated that he Did gain a new understanding of himself and the total community.

2. Labor Day "Stay at Home Community Picnic"-September 1, 1969.

   A. Community Relations Bureau sponsored a Family Picnic, which was held at Golden Gate Park (Speedway Meadows). This project began August 1, 1969, was organized and formulated by Fireman John Drocco and members of the prior Community Relations Course.

3. School Visitation Program-September 1969 to May 1970

   A. Arranged for/and visited approximately seventy (70) elementary schools with fire apparatus, for the purpose of demonstrating a company drill and/or conducting an informal discussion between Firefighters and the school children and teachers. Also, the Firefighters film was shown to numerous groups who requested same.

4. Physical Fitness Program-(Rough Draft)-March 16, 1970

   A. Fireman John Drocco, staff member of the Community Relations Bureau, was asked to prepare and present a proposed Physical Fitness Program for the San Francisco Fire Department by Deputy Chief Keith Calden.

4. Physical Fitness Program-(Rough Draft)-March 16, 1970 (Continued)

   B. After considerable research and numerous visits and attendance at Fitness Clinics and Symposiums, Fireman Drocco prepared and presented his proposed Physical Fitness Program (March 16,1970) to Deputy Keith Calden. Proposal was studied and returned for possible future implementation.

5. Fire Safety Technician Program - Proposal May 11, 1970

   A. It is proposed that a small group of Fire Safety Technicians be employed in a career development program, described in this proposal. Such a program offers a number of advantages.

      1. It offers a positive approach towards strengthening the position of the Department within the ghetto communities.

      2. It strengthens both the community relations and fire safety efforts of the Department.

      3. It recognizes the diversity of skills required in upper levels of the Department, and provides an alternate way to utilize those skills.

      4. It, in no way, detracts from the present route into employment, or for promotional opportunities for present employees.

      5. It will provide a dynamic outreach into San Francisco's minority communities, recruiting qualified applicants for the open entrance examination.

In summary, their role is to establish communication between the Fire Department and the target area residents, interpreting each to the other, and bringing about cooperation between the two.

6. Community Meetings and Social Functions-July 1969-July 1970

   A. The six (6) projects or programs mentioned, were also accompanied by many community meetings and social functions, of which the Fire Department was constantly represented.

FIRE LEAGUE ATHLETIC & MUSICAL EVENTS - (F.L.A.M.E.)

During fiscal year 1968-69, this organization was sponsored by the San Francisco Fire Department and its members as a means to keep children between the ages of 8 to 16 involved in various sports such as baseball, basketball and water safety swimming programs.

In the first year of "Flame" operations, well over 200 boys participated in our Softball league. Ten teams representing every part of the city were organized. The Championship Team came from the Potrero District. All teams in the League were taken to various fire stations throughout the city for lunch on Saturdays after the games, where they were the guest of the station firemen who not only cooked the lunch and served the boys, but, also gave them a tour of the fire station that they might better understand how firemen work. Instructions in fire prevention also were given to stress the importance of fire safety and fire prevention.

At the end of the softball season, a banquet was held for all the boys, coaches and the coaches wives, where all the banquet services were performed by firemen who volunteered their services. Chief of Department, William F. Murray, and Deputy Chief, Keith P. Calden, were present to honor the boys and to present them with trophies and medals. All boys of the program were given awards for their participation.

A skin diving class for girls was also conducted, in which each girl passing the program was certified as a skin diver and presented with a bracelet medal. Certificates and medals were presented at the Fire College, where the parents were the guest of the Department, which greatly contributed to the better understanding of the Department and the men involved in this program.

A Meritorious Award, officially designated as the "San Francisco Fire Department Fire Valor Award" also was established for recognition involving Fire Department operations in which a youth was saved from serious injury or fatality by an adult or in which a youth was involved in a similiar incident involving an adult or another youth. During fiscal year 1969-70, this award was presented to three youths and to two adults. "FLAME" also established a "Special Recognition Award" to be presented to persons for outstanding work in behalf of the Department. This particular award was issued to two such persons during 1969-70.

In the first year of the operation of "FLAME", the cost of its program was financed by funds contributed from over 1,000 firefighters, as well as, from funds generously contributed from private business for the success of this program.

ADMINISTRATION

San Francisco Firemen's Honor Band:

In the past year, the San Francisco Firemen's Honor Band membership has increased from 32 to over 90 members. At the present time, we are the only all community youth band, comprised of many ethic groups. Membership is open to all boys and girls between the ages of 13 to 20 years. Our plan is unique in that it also offers an opportunity for each member to select a private teacher and to take music lessons paid for by fund from the Firemen's Band.

We have purchased 120 new uniforms, outfitted 6 majorettes and 30 Pom Pon girls. On April 4, 1970, the band marched in the Golden Gate Centennial Celebration, and on May 10, 1970, conducted the First Annual Spring Concert, in the San Francisco Opera House, under the directorship of Donald McKenzie.

Joseph P. Manett is the founder and coordinator of this fine band.

COMMITTEE REPORTS

Advisory Board:

The Advisory Board is now in its fourteenth year of service, consisting of an Assistant Chief, three Battalion Chiefs, three Captains, two Lieutenants and eleven Firemen. A Battalion Chief is selected to serve as Board Chairman and a Fireman is selected to serve as Secretary. All members are selected after being nominated by department officers. All terms of office are for one year. Members attend one meeting monthly.

Members of the Department are encouraged to submit suggestions to the Advisory Board in writing. These suggestions are then reviewed by the Board and either accepted, rejected or assigned to a committee for further study. Those suggestions accepted by the Board are forwarded to the Chief of Department for his consideration and further evaluation.

During the past fiscal year, the Advisory Board received 71 suggestions from members in the field and from Board members themselves. Of these suggestions:

21 - were accepted
16 - were rejected
28 - are still pending decision
6 - were tabled by the Board

Of the accepted suggestions, probably the most interest to Department personnel was the approval of the use of the St. Francis Hospital Burn Center for seriously burned firemen. Also of vital interest is the fact that all truck companies are now equipped with resuscitators. The availability of this equipment serves a two-fold purpose of facilitating response to resuscitation calls and of the equipment being readily available for use by Department personnel subjected to severe smoke inhalation.

Advisory Board: (Continued)

The Advisory Board has also been selected to sit as a Public Recognition Award Committee at the direction of the Chief of Department. The committee reviews reports of outstanding assistance rendered to the Fire Department by citizens other than members of the Department and recommends to the Chief of Department the person or persons to whom an award should be presented. Presentation of awards is made at the discretion of the Mayor.

Safety Committee:

1. Injuries:

The total number of injuries for the Fiscal Year 1969/70 were 698, an increase of 199 from the previous Fiscal Year. These injuries were classified as follows:

Temporary Disabilities - - - - -	693
Deaths (Active Members) - - - -	5
	698

2. Vehicular Accidents:

San Francisco Fire Department vehicles were involved in 145 accidents in the 1969/70 Fiscal Year. This is an increase of 10 over the last Fiscal Year.

Of these 145 accidents, 70 occurred during Emergency response, and 29 occurred returning from alarms. 20 of the accidents during Emergency response involved intersection collisions. This is an improvement over the 1968/69 fiscal year when the Fire Department had 32 intersection collisions.

Again the greatest concern from a Safety standpoint is the INTERSECTION COLLISION. Most of these accidents occur when apparatus is proceeding through STOP AND GO signals or ARTERIAL STOP SIGNS.

There were 150 "Lost Work Days" sustained in vehicular accidents during the past fiscal year.

3. A further, more complete report on injuries and accidents will be completed and forwarded to all Companies at a later date.

4. Miscellaneous:

(a) Questionaires were again sent to all members who have received Safety Shoes from this committee. These were sent for evaluation of the Safety Shoes submitted.

(b) Provided information on the evaluation of the Toptex helmet; this helmet was later distributed to all Department members.

4. Miscellaneous: (Continued)

(c) Attended:

California Safety Congress
Central Safety Committee Meetings
20th Annual Governors Industrial Safety Conf.

(d) Experimented with a new type eye goggle call "Fog-Ban".

(e) Issued, through the Bullard Company, 2-Bullard Helmet liners to each Truck Company for evaluation of this new type liner.

Radio Committee:

During the fiscal year of 1969-70 the following equipment was purchased from funds allocated in the 69-70 budget.

Five (5) mobile radios for apparatus. The General Electric Company was successful in its bid for this equipment.

Two (2) Motorola portable radios were purchased to replace two which had been stolen and never recovered.

Two (2) Motorola pocket radio receivers; one assigned to the Chief of the Division of Administration and one assigned to Photo Unit No. 1.

Three (3) portable radios with accessories, Civilian Band, were provided for the Bureau of Engineering and Water Supply for use of the Hydrant-Gatemen in testing standpipes and testing mains of the high pressure water supply system. These have proven very successful in their use and have contributed to a more efficient operation in their testing procedures.

Liaison is maintained with the Radio Division of the Department of Electricity to keep abreast of new radio equipment and radio procedures which will improve the operations of our radio system.

Educational Committee:

This report embraces the fourth year of the Fire Science Technology program conducted at City College of San Francisco. The program continues to be the largest in the state with its two basic sections: (1) Pre-Employment group and (2) In-Service group.

Educational Committee: (Continued)

Particularly important to the success of the program has been the increase in attendance of "fire personnel" from departments other than our own. These people are from areas where incentive pay is given for Fire Science College units earned, or where a specific number of Fire Science units must be taken per year until a degree in Fire Science is achieved. Many of these communities now require an Associate in Arts degree, or equivalent, in order to participate in promotional examinations.

The fact that we offer classes both day and night makes it possible for students to attend classes in the selected subjects which are necessary to their program.

Twenty-eight of our pre-employment students (several of them taking advantage of the lowering of the Department's entrance age limit to 20 years) placed on the current entrance eligible list of August 5, 1968, and several are now working in the Department. In keeping with our established policy of posting all notices of examinations being held for firemen anywhere in the State of California that we are aware of, we normally write the community involved and alert them of our program and ask for scopes and applications. Many of our students have thus entered into the fire service in Fire departments other than that of San Francisco. In this manner we are fulfilling our obligation to our Department and to City College by qualifying well informed men for the fire services. More emphasis is being placed on opportunities available in affiliated services, and our graduates are finding employment in areas related to, but not in the fire-fighting field, itself. The latter is being done to encourage men who, through some reason, such as not being physically or medically qualified for actual fire service, to find opportunities in the fire service-affiliated fields.

The program offered 10 subjects with a total of 12 classes in the Fall semester of 1969, with a total of 248 students. During Spring 1970 semester, we conducted 14 classes in 11 subjects with 278 students. 526 persons in all for the fiscal year 69/70 attended with the total attendance made up of firemen and pre-employment students.

Permanent staff members were Captain Alexander Potter as Coordinator and Martin Kilgariff as senior instructor. Part time San Francisco Fire Department personnel utilized in the Fall 1969 semester were Fire Inspector Peter Foley, who taught two subjects: (1) Building Construction for Fire Protection and (2) Fire Protection and Arson.(*)

Captains Edward O'Donnell and Joseph Sullivan instructed in "Rescue Practices" and Captain George Morris instructed in Apparatus and Equipment.

(*) Fire Inspector, Raymond O'Farrell, also taught one section in Fire Protection and Arson.

Educational Committee: (Continued)

During the past year, Doctor Alfred Lee of the Chemistry Department taught "Hazardous Chemicals" and twenty-three (23) Department members completed this subject. Mr. Eugene Roberts, Also of the Chemistry Department, has continued to instruct the pre-employment classes in the Physical Science of Fire Technology, which includes 3 one-hour classes weekly, with an additional three-hour laboratory session.

This activity, during the summer, comprised a six week-course in "Introduction to Fire Protection" for Senior High School students and City College students; three (3) units are earned upon completion of the course.

This Committee would like to thank President Louis Conlan for his excellent cooperation and, it is our wish that his retirement be a long and happy one. Dr. Louis Batmale, who has done so much for this program, has been elevated to the Superintendent of City College of San Francisco, which is now changed in status to that of a Community College. Dean Jack Aldridge is our liaison with the College proper, and is of tremendous assistance to our program. The entire personnel of City College has been most helpful in every way, thereby making our program a most successful one.

Miscellaneous:

During the fiscal year 1969-70, 82 letters of commendation were received in the office of the Chief of Department relative to Department action at various emergencies. These commendations were all recorded through the office of the Fire Commission and copies were distributed to responding units involved.

Contributions to the amount of $711.85 were also received at the office of the Chief of Department for deposit to the Widows' and Orphans' Aid Association of the Fire Department. These contributions were also duly recorded through the office of the Fire Commission and were given to the Secretary-Treasurer of the Association for deposit and record.

SPECIAL SERVICES

STATION 43

STATION 17

SPECIAL SERVICES

The Division of Special Services administers Department programs relating to land acquisition and disposal, station construction and reconstruction, repairs and maintenance of all Department properties, station furniture, development of the six-year Capital Improvement Program, Supervision of the Bureau of Engineering and Water Supply, related research and planning and special projects assigned by the Chief of Department.

1964 Fire Department Bond Issue

A Fire Department Bond Issue was approved in 1964 and provided the sum of $4,890,000.00 for the construction of a new Headquarters Building and several new Fire Stations. The program was delayed for approximately one year while awaiting disposition of the Gage-Babcock Survey. Present status of the construction program is as follows:

Completed Construction

San Francisco Fire Department Headquarters	260 Golden Gate Avenue
Architect	Albert F. Roller
Contractor	M & K Corporation
Cost	$1,115,000.00
Completion	May 1, 1967

Engine Company No. 28	1814 Stockton Street
Architect	William B. Fox
Contractor	Leon Carlin
Cost	$256,000.00
Completed	July 7, 1967

Engine Company No. 7	80 Digby Street
Architects	Rockrise and Watson
Contractor	Stenmark Construction Co.
Cost	$310,000.00
Completion	January 22, 1968

Engine Company No. 17 - Truck Co. No. 1	416 Jessie Street
Architect	S.F. Bureau of Architecture
Contractor	Leon Carlen
Cost	$409,543.00
Completed	September 9, 1969

Engine Company No. 43	720 Moscow Street
Architect	Robert Hawley
Contractor	Nibbi Bros., Inc.
Cost	$358,224.00
Completed	April 7, 1970

Completed Construction (Continued)

Engine Company No. 46	441 - 12th Avenue
Architect	S.F. Bureau of Architecture
Contractor	Kenneth A. Lind
Cost	$62,494.00
Completed	December 9, 1969

The present allocation of the remainder of the Fire Station Bond Funds is as follows:

Engine Company No. 3	$384,700
Engine Company No. 8	$314,600
Engine Company No. 16	$278,300
Engine Company No. 33	$355,500
Engine Company No. 36	$351,000
Engine Company No. 37	$399,100

At the present time an architect is drawing plans for Engine Company No. 36. Tentative locations have been selected for Engine Company No. 37 and 16. Sites are being sought for the remaining stations on the program.

RELATED CONSTRUCTION

Washington and Sansome has been selected as a site for a new station for Engine Company No. 1, which is required to vacate its present location due to the planned development by the Embarcadero Center Project. Entire cost is to be borne by the Embarcadero Center Project.

Also, due to the construction of the Fourth Street overcrossing by the State Division of Highways, Engine Company No. 35 will be relocated. A tentative site has been selected and negotiations are in progress.

REPLACEMENT AND RECONSTRUCTION MAINTENANCE AND REPAIR CAPITAL IMPROVEMENTS

Funds for replacement and reconstruction, maintenance and repair are included in the Budget of the Department of Public Works based on requests initiated by Company Commanders and other Department officials.

During the 1969-70 Fiscal Year, 1257 repair maintenance or service requests were processed by the Division of Special Services. In addition, other budget items covering repairs and replacements were effected by various City Departments.

Capital Improvement Projects are initiated by this Department and developed in coordination with the City Planning Department for inclusion in the recommended Six Year Capital Improvement Program.

SPECIAL SERVICES

Projects funded for the current fiscal year total $177,200.00.

A Bond Issue affecting capital improvements of the water system failed to receive the required majority at the June 1970 Election. An effort in the future will be made to submit another revised bond issue relative to the electorate.

RESEARCH AND PLANNING

Research and Planning Programs of the Division of Special Services have been oriented to building, planning water supply repairs and expansion redevelopment areas, traffic problems, and closing or vacating of city streets. Other areas covered investigation and recommendations concerning Bay Area Rapid Transit Market Street Design Study, Rapid Transit Sub-Corridor Study, proposed freeway routes, joint land use studies, South Bayshore Study, development of proposed Auxiliary Water Supply System, Bond Issue, San Francisco Building Code Review, etc..

This Division represents the Department at various meetings throughout the year, including Inter-Department Staff Committee on Traffic and Transportation, Rapid Transit Utilities Committee, Transit Insurance Administration, Planning Committee and various Committee and regular meetings of the Board of Supervisors.

BUREAU OF ENGINEERING AND WATER SUPPLY

The Bureau of Engineering and Water Supply is responsible for the planning, management, operation, maintenance and repairs of the various water supply systems which are used for supply of water for fire combat, and for any professional engineering aid or advice required by the Chief of Department. Among the responsibilities of the Bureau are the following:

1. Auxiliary Water Supply System (High Pressure System) which supplies fresh water for fire combat only. It also can supply salt water from the Bay should the fresh water supply become inadequate or fail.

2. Low pressure fire hydrants which supply fresh water for fire combat. These hydrants are connected directly to the San Francisco Water Department mains.

3. Underground Cisterns.

4. Dry Standpipes installed on multi-story buildings. These standpipes are hydrostatically tested and periodically serviced by Bureau personnel.

5. Review and approve all drawings prepared by the City Engineer's Office relating to Fire Department facilities.

6. Review and evaluate for adequacy of hydraulic design relative to plans submitted by private architects and engineers showing standpipe systems for high-rise buildings.

BUREAU OF ENGINEERING AND WATER SUPPLY (Cont.)

7. Provide professional engineering information and recommendation as directed by the Chief of Department or Chief, Division of Special Services.

AUXILIARY WATER SUPPLY SYSTEM (HIGH PRESSURE SYSTEM)

The Auxiliary Water Supply System, an independent water supply system, is used solely for fire fighting purposes and is maintained by the Bureau of Engineering and Water Supply.

It consists essentially of:

Pumping Station No. 1 (Salt water supply)
Pumping Station No. 2 (Salt water supply)
Twin Peaks Reservoir - Elevation 758 feet
Ashbury Tank - Elevation 494 feet
Jones Street Tank - Elevation 369 feet
114 miles of High Pressure Water Mains
1,383 High Pressure Hydrants
150 Underground Cisterns
Pipe Yard
Fireboat "Phoenix" for emergency salt water supply.

All pumping equipment and appurtenances have been kept in good repair at both Pumping Stations and on the Fireboat "Phoenix".

All gate valves, hydrants and other appurtenances of the High Pressure System mains have been regularly serviced and repaired. A large number of pipe-line leaks have been repaired. Numerous relocations and realignments of mains in connection with BARTD and Redevelopment projects have been carried out during the year. Numerous minor realignments of mains also have been made to accommodate the construction of new multi-story buildings, streets and sewers.

Operational and precautionary shutdowns of High Pressure Mains, resulting form BARTD activities caused severe interference with A.W.S.S. water supplies to the south of Market Street area. From September 29 to October 3 and from October 8 to November 19, 1969 Pumping Station No. 1 was maintained at special alert status to enable pumping of salt water into the High Pressure System at five-minute notice.

LOW PRESSURE FIRE HYDRANTS

The Bureau is responsible for the maintenance and repair of the Low Pressure Fire Hydrants, hydrant gate valves and associated piping. During the past year, 39 new Low Pressure Hydrants were installed, 3 were permanently removed from the system, and 58 Low Pressure Hydrants were relocated. A total of 7,704 Low Pressure Hydrants are now in-service.

III
SPECIAL SERVICES

UNDERGROUND CISTERNS

All of the 150 Underground Cisterns were inspected monthly, left full of water and ready for emergency fire service. The average cistern holds 75,000 gallons.

DRY STANDPIPES

During the fiscal year, 58 new dry standpipe installations and 6 existing standpipes, which were repaired, were pressure tested before acceptance by the Bureau. All existing standpipes were serviced and kept in proper operative conditions. With the addition of 58 new installations and the permanent removal of 18 existing ones from razed buildings, the total number of building standpipes is 4,269.

BUREAU RECORDS

Computer programs for the maintenance of Low Pressure and High Pressure Fire Hydrant records have been operational for most of the current fiscal year. A similar program for building standpipes is in the developmental stage. These programs provide for the monthly print-out of up-to-date records.

FIRE PREVENTION AND INVESTIGATION

IV
FIRE PREVENTION AND INVESTIGATION

BUREAU OF FIRE PREVENTION AND PUBLIC SAFETY

The Bureau of Fire Prevention and Public Safety consists of a Chief of the Division of Fire Prevention and Investigation, a Captain, three Lieutenants and 27 Fire Inspectors. From this overall number, one Lieutenant is detailed as Port Commission Fire Marshal, one Lieutenant and two Inspectors are detailed to the Bureau of Building Inspection, in compliance with Charter requirements, one Inspector assigned to the F.A.C.E. program of Urban Renewal, one Inspector is detailed to the Division of Administration and assigned to the Photo Unit and one inspector is detailed to the Bureau of Fire Investigation to provide two Investigators in the field under the 52-hour (1969-70) Work-Week schedule.

The Assistant Chief, in charge of the Division of Fire Prevention and Investigation, has general supervision over both the Bureau of Fire Prevention and Public Safety and the Bureau of Fire Investigation. He is responsible to the Chief of Department for the administration of the Division and submits a monthly stastical report to the Commission and the Chief of Department as required by the Rules and Regulations.

The Captain is charged with supervising the Lieutenants, Inspectors and the general office personnel employed by the Department. He represents the Department at the Board of Permit Appeals and other required Board and Commission meetings. The Captain is responsible for Time Roll and daily journal entries regarding Bureau functions.

The Lieutenants supervise and instruct Inspectors in matters pertaining to their various duties, examine and approve daily work reports, log plans, in-and-out, referred to the Bureau of Fire Prevention for review and approval from the Bureau of Building Inspection, assist Inspectors in inspection problems, enforcement of codes, plan checking and in reviewing building specifications. They represent the Department at the Board of Examiners and various other meetings as designated to attend by the Captain.

The Inspectors daily work routine consists of inspections of premises necessary for fire clearance and accrediation by the State Fire Marshal in Schools, Hospitals, Nursing, Aged and Mental Hygiene Homes and for City and County Fire Clearance for child care, nursery care, etc.. All complaints received regarding hazardous situations are investigated and, if found to be legitimate, are processed for abatement. Reports from Battalion Chiefs of buildings in their respective districts are investigated and code violations and hazardous situations are corrected whenever possible.

Forty-seven different permits to operate businesses or to use hazardous material are issued by the Fire Department and are investigated by District Inspectors. Most Fire Department permits issued, as well as any other approved fire clearance, are approved only on an annual basis and require re-inspection at least once annually.

IV
FIRE PREVENTION AND INVESTIGATION

Approximately thirty-three permits or licenses are investigated for Fire Clearance by the Bureau of Fire Prevention for other City Departments or State Agencies, which include the Police Department, Department of Public Works, Department of Public Health and the State Fire Marshal.

Routine Inspections of most occupancies are made to check for hazardous conditions, code violations, maintenance of fire protection facilities, familiarization with the premises, compliance with permit regulations, in the interest of public relations and public safety. Inspection total for the Fiscal Year 1969-1970 was 21,233.

Specialized Inspectors investigate all permit applications regarding the storage, sale and use of flammable liquids, service stations, liquefied petroleum gases, fireworks, gunpowder or explosives and other hazardous occupancies. Inspectors are assigned to office work and permit procedure on a rotation basis to enable them to be familiar with all phases of the operation of the Bureau. Inspectors are periodically detailed from the Bureau of Fire Prevention and Public Safety to the Bureau of Fire Investigation, to supplement to full force that agency within the Division, when required by Vacation, Sick or Disability Leave.

BUREAU OF FIRE PREVENTION

The operations of the Bureau of Fire Prevention for the Fiscal Year 1969-1970 is reported in statistical form as follows:

Inspections and Corrections:

The number of Individual Occupancies Inspected, Total Inspections made and the number of Corrections Obtained during the Fiscal Year 1969-1970 were as follows:

Total number of Individual Occupancies - - - - -	10,491
Total number of Inspections - - - - - - - - - - - -	21,233
Total number of Corrections Obtained - - - - - -	9,537

Of the total number of Inspections, 1,052 were Special Complaints reported by citizens that required immediate attention and 176 were Special Investigations of structures that had been involved in Greater Alarms of Fire.

FIRE PREVENTION AND INVESTIGATION

Permit Processing:

Fire Department Permits:

Automobile Parking Station	37
Burning, Removal of Paint	19
Compressed Gases	3
Explosives, To Receive	4
Fireworks, Conduct Public Display	3
Flammable Finishes, Application of	8
Flammable Liquids, Other, Aboveground	10
Flammable Liquids, Portable Gas Buggy	8
Flammable Liquids, Underground Tanks	105
Flammable Liquids, Dispenser Replacement	46
Garage, Automobile Sales	25
Garage, Commercial and Truck	7
Garage, Public Repair	42
Garage, Public Storage	24
Garage, Special Branch	21
Liquefied Petroleum Gases	9
Motion Picture Theatres	26
Open Outdoor Fire	24
Public Assembly	11
Service Stations	88
Theatres	11
Vending and Standing Space	6
Welding and Cutting	11

Building Permits:

During the Fiscal Year, the Inspectors of the Bureau of Fire Prevention processed and passed upon all plans and applications, as required by Charter and Ordinance, which had been submitted to the Central Permit Bureau.

Occupancy Permits:

Investigations were made and reports forwarded recommending approval or disapproval of fire clearance of applications for permits and licenses as were received from the following Departments or Agencies:

(1) Central Permit Bureau:

Building Occupancy Permits (Permanent)	81
Building Occupancy Permits (Temporary)	57
Building Permits Processed (By District Inspectors)	96

Occupancy Permits: (Continued)

(2) Department of Public Health:

Bakery	1
Caterer	5
Commissary	1
Delicatessen	3
Launderies	51
Medical Center	1
Night Clubs	3
Pet Shops and Hospitals	7
Restaurants	270
Warehouse	1

(3) Department of Social Services:

Homes for Ages	197
Homes for Children	395

(4) Police Department:

Amusement Park	4
Automobile Wreckers	6
Cabaret	0
Circus	3
Dance Hall Keeper	29
Driverless Auto Rental	40
Entertainment	3
Junk Dealer	3
Massage Parlors	19
Mechanical Contrivances	3
Museum	1
Public Bath House	1

(5) State of California (State Fire Marshal):

Clinics	4
Head Start Program	8
Hospitals	35
Mental Hygiene	84
Nursery Schools	126
Nursing Homes	34
Orphanages	1

Miscellaneous Reports and Communications:

During the Fiscal Year, various reports, communications and actions were undertaken by the Bureau of Fire Prevention and Public Safety involving the following:

(1) 756 reports from Battalion Chiefs of special building inspections were received. These reports were processed for investigation and abatement of violations by this Division.

Miscellaneious Reports and Communications: (Continued)

(2) During the year 216 Notices of Violation of non-compliance were issued to obtain compliancc with State and local safety codes.

(3) The number of communications sent out by this Bureau during the fiscal year was 3,274.

FIRE PREVENTION CORRECTION 1969-1970

Automatic Sprinkler Systems Installed:	
Chutes	38
Floor of Occupancy	9
Garbage/Trash Rooms	47
Stairways/Hallways	10
Storage Area	50
Automatic Sprinkler Systems Repaired	145
Buildings Boarded Up	95
Buildings Razed	440
Egress, Additional Means Provided	69
Exit, Obstructions Removed	222
Exit, Signs and Lights	186
Exit Doors Installed or Altered	22
Fire Alarm Systems Installed	45
Fire Alarm Systems Repaired	20
Fire Doors, Installed or Repaired	84
Fire Escapes, Installed	9
Fire Escapes, Repaired	18
Fire Escapes, Drop LaddersProvided	41
Fire Escapes, Obstructions Removed	141
Fire Extinguishers installed or recharged	4,049
Hosereels installed or renewed	161
Metal Bins and Covers Provided	295
Paint Storage Corrections	32
Rubbish condition removed	664
Stairways installed or enclosed	32
Stairways, Obstructions removed	86
Transoms fireproofed	177
Warning signs installed, No Smoking, etc.	237
Conditions referred to:	
Department of Electricity	3
Department of Public Health	17
Department of Public Works	1,381
Police Department	15
OTHER -- General Corrections	760
TOTAL CORRECTIONS	9,600

FIRE PREVENTION AND INVESTIGATION

PRINCIPAL BUILDING OCCUPANCIES INSPECTED AND PRINCIPAL OCCUPANCIES IN WHICH FIRES OCCURRED

	INSPECTIONS			No.of
	New Insp.	Re-Insp	Total	FIRES
THEATRES:				
Theatres & Motion Pictures	117	236	353	6
PUBLIC ASSEMBLY:				
Bowling Alleys	27	41	68	0
Churches	91	207	298	16
Clubs (Private)	45	77	122	12
Halls	111	146	257	14
Night Clubs	94	175	269	5
Restaurants	577	1,238	1,815	131
Taverns	43	57	100	19
SCHOOLS:				
Elementary	302	183	485	37
Junior High	71	77	148	10
Senior High	59	70	129	26
College	38	51	89	11
INSTITUTIONS:				
Homes for Aged	257	199	456	2
Homes for Children	366	222	588	0
Hospitals	243	311	554	46
Mental Hygiene	76	69	145	0
Nursing Homes	50	63	113	5
HAZARDOUS:				
Garages-Automobile Sales	113	78	191	1
Garages-Commercial & Truck	87	59	146	9
Gagages-Public Repair	417	368	785	10
Garages-Public Storage	185	173	358	0
Paint Shops	92	73	165	4
Woodworking & Cabinet Shops	77	48	125	6
BUSINESS:				
Bakeries	21	16	37	6
Clothes Pressing Shops	30	31	61	7
Clothing Stores	54	33	87	16
Department Stores	66	51	117	20
Furniture Stores,Whse.& Retail	62	37	99	6
Gasoline Supply Stations	428	340	768	0
Grocery Stores	35	43	78	41
Launderettes	67	62	129	54
Laundry	65	44	109	6
Markets	39	51	90	11
Office Buildings	518	679	1,197	148
Printing Shops	40	23	63	9
Variety Stores & Gift Shops	112	98	210	3
Warehouses	330	262	592	72
NON-HAZARDOUS:				
Food Processing	32	31	63	6
RESIDENTIAL:				
Apartments	2,792	2,301	5,093	1,126
Boarding Homes (Guest Houses)	77	78	155	4
Dwellings (1&2 families)	883	602	1,485	1,254
Hotels	500	725	1,225	314
Housing Projects	323	217	540	258
Motels	51	47	98	7
Rooming Houses	70	60	130	14
VACANT BUILDINGS: (all)	182	212	394	145

FIRE PREVENTION AND INVESTIGATION

In addition to the building occupancy fires previously listed, fires occurred in the following occupancies:

(1) Buildings:

Amusement Center	18
Applicance Store	1
Art Gallery	3
Bank	6
Beauty Shop	2
Book Store	2
Bus Terminal	1
Chemical Plant	3
Coffee Manufacturer	3
Drug Store	6
Convents	1
Electronic Shop (Radio-T.V.)	7
Florist	2
Garages, private	6
Hardware Store	3
Liquor Store	1
Lumber Yard	3
Machine Shop	3
Manufacturer	16
Metal Shop	2
Nursery School	3
Repair Shop	6
Pet Shop	1
Sheds	60
Shoe Repair	1

(2) Vehicles:

Automobiles	1,354
Buses	27
Fork Lift	3
Freight Car	3
Motorcycles	26
Street Cars	6
Tractor	1
Trailers	7
Trucks	123

(3) Wharves and Piers: - - - - - - - - - - - - - - - - - - 41

(4) Boats and Ships: - - - - - - - - - - - - - - - - - - - 12

(5) Miscellaneous:

Automobile Wreckers	12
B.A.R.T.	50
Debris Boxes	75
Dumps	96
Electric Poles and Wires	263
Fences	3
Mail Boxes (U.S.GOVT.)	23
Silo	2
Street Road Flares	63
Tar Pots	10
Underground Vaults (Electric)	5

(6) Grass and Rubbish: - - - - - - - - - - - - - - - - - - 4,720

IV
FIRE PREVENTION AND INVESTIGATION

BUREAU OF FIRE INVESTIGATION

The personnel of the Bureau of Fire Investigation consists of one Lieutenant and seven Investigators. They respond to all fires of unknown, suspicious and incendiary origin and to any fire to which the Chief-in-charge may summon them. They assist in investigation of accidents where Fire Department vehicles are involved. They also respond to all second or greatre alarms, to fires where an explosion has occurred, and to any fire where a person is burned or dies as a result of fire. Stakeout and surveillance operations are a significent part of their operations.

Frequent conferences are held by this Bureau with the Inspectors of the Police Department, as well as with the various Police Captains of their respective police districts, regarding incendiary fires occurring within their assigned areas.

Investigators assist the District Attorney in criminal cases involving fires and testify in court on all cases where an arrest involving fire has been made. They are frequently summoned to testify at Coroner Inquests and at Civil Cases regarding fires.

Investigation reports of all unusual fires or occurrences are made in detail by the Investigators who responded to the scene. A Fire Record is made of every fire alarm, and the cause of the alarm, which occurs in San Francisco. All records and reports of this Bureau are compiled daily to provide a permanent statistical record for the Fire Department. These statistics are often requested by the American Insurance Association, the National Fire Protection Association, and other agencies for the purpose of analysis.

During the Fiscal Year 1969-70, there was an increased incidence of incendiary fires. The use of Molotov Cocktails and other explosive materials again was frequent by dissidents involved in incendiarism and harassment. Several persons involved in incendiarism and harassment were apprehended and subjected to prosecution. The Bureau of Fire Investigation, in cooperation with the Police Department, is continuing intensive investigation relative to further apprehension and prosecution of all persons involved in,or suspected of,incendarism, as well as of willful harassment of members of the Fire and Police Departments.

The Public Relations work of this Bureau has been very successful. Fire Departments of other cities often request that their personnel be instructed in Arson Investigation Techniques by this Bureau. Instruction in Arson Investigation Techniques is given by this Bureau to all police and fire recruits of San Francisco. Our Investigators are often requested to address various Service Clubs and Business Groups. Many appearances of Television and Radio programs have projected the work of the Bureau of Fire Investigation very favorably to the public.

FIRE PREVENTION AND INVESTIGATION

BUREAU OF FIRE INVESTIGATION

1. Field Activities - Fiscal Year 1969-1970

Investigation of Fires:

Special Investigations	998
Follow-Up Investigations	1,033
Incendiary Origin	375
Greater Alarms	176
Undertermined Origin	15
Burn Cases	126
Deaths	37

Arrests and Disposition:

Felonies:	
Arrests	24
Convictions	11
Cases Pending	8
Acquittals	10
Misdemeanors:	
Arrests	13
Convictions	10
Cases Pending	0
Acquittals	6
Citations	0
Juveniles:	
Cases held under Juvenile Jurisdiction	58
Not Cited	95
Court Appearances and Testimony:	74

Special Complaints Referred from Bureau of Fire Prevention:

Investigations	74
Follow-Up Investigations	17

2. Office Activities:

(a) Fire Records - Compiled and maintained - - - - 33,619

(b) Record Search and Copy - - - - - - - - - - - - - 4,790

(c) $2,210 was collected and deposited in the General Fund for the processing and sale of copies of Fire Reports to interested persons during the fiscal year by the Bureau of Fire Investigation.

FIRE PREVENTION AND INVESTIGATION

PORT FIRE MARSHAL
SAN FRANCISCO PORT COMMISSION

This report summarizes in brief the operational functions of the office of the Port Fire Marshal during the fiscal year 1969-70.

Still alarm responses (response of one fire department unit only) covering such activities as pumping sinking small craft, removing bodies from the bay, automobile fires on the Embarcadero, investigations, etc., are not recorded herein because of limited personnel coverage.

The fire summary information listed, has been compiled from the log of fire alarm responses by the fireboat "PHOENIX" and relates to Port Commission properties only, excluding the Islais dump area.

The report has been formed into two separate sections. The first section contains general statistics on the number and types of fires which have occurred and upon Port Commission properties, The second section outlines the fire prevention program in service, enumerating the welding and burning permits, the joint permits for limited storage of explosives and dangerous cargoes upon the piers and aboard ships berthed at piers, - also related pertinent fire safety data.

FIRST SECTION

	1969-70	1968-69
Total number of of fire alarms received - -	178	118

Breakdown:

OCCUPANCY AND/OR TYPES OF FIRES OR INCIDENTS

False alarms - - - - - - - - - - - - - - - -	134	47
Pier deck, stringer, or piling fires - - -	19	26
Ship and small craft fires - - - - - - - -	4	5
Automatic sprinkler trouble - - - - - - - -	3	3
Cargo fires - - - - - - - - - - - - - - - -	2	3
Smoke scares - - - - - - - - - - - - - - -	4	2
Restaurants - - - - - - - - - - - - - - - -	2	0
Pier Fires - - - - - - - - - - - - - - - -	2	0
Open yard storage - - - - - - - - - - - - -	2	0
Piledriver - - - - - - - - - - - - - - - -	1	0
Vans (empty) - - - - - - - - - - - - - - -	2	0
Debris Room - - - - - - - - - - - - - - - -	1	0
Office - - - - - - - - - - - - - - - - - -	1	1
Telephone Booth - - - - - - - - - - - - - -	1	0

Upon investigation, and when the fire cause is determined, immediate action is taken to prevent recurrence.

The minor fires occurring over the past year show a slight decrease. Largely these minor fires are suspected to have been caused by carelessly discarded lighted matches or smoking materials.

FIRE PREVENTION AND INVESTIGATION

Three greater alarm fires involved Port Commission properties and each is suspected to have been caused by trespassers and careless smoking. One spectacular ship fire (cause unknown) is also outlined below.

4 - August 1969. A second alarm fire involved an open storage of pallets and other similar flammable material located at #35 and #95 Brannan Street. This fire spread rapidly and caused considerable damage to the adjacent frame buildings and contents.

24 - September 1969. A fourth alarm fire starting near the center of pier #14, (unused and in advanced state of deterioration) spread with great speed to involve the entire structure. The shed or superstructure was completely destroyed, efforts by the Fire Department prevented spread of the fire to the buildings adjacent to the Ferry Building. The privately owned ferry boat "San Leandra" moored alongside pier #14 was seriously damaged.

1 - May 1970. A second alarm fire starting in the northeast corner of the fender system of pier #44, threatened to involve the substructure of the pier. This fire was located in a difficult area for land-side fire companies to attack, considerable chopping was necessary and the fire department scuba team was pressed into service to fight the fire from below. The interior of the pier or contents - (new imported automobiles) was not damaged.

15 - April 1970. A second alarm fire starting in the lower (deep tank) of #5 hold of the "SS Hong Kong Bear" involved a stow of U.S. Army general cargo and a stow of approximately 390 bales of cotton. After size-up, Chief Murray, S.F.F.D. ordered the hold sealed off and CO_2 inserted from the ships system, bulk tank truck loads of CO_2 gas were ordered and applied to the fire area until approximately 70% saturation was attained, (readings taken by marine chemist). This was maintained for about 35 hours. Upon opening the hold the fire was judged completely extinguished, and had been confined to the area of origin.

SECOND SECTION

This section of the report embodies the fire prevention activities of the office of Port Fire Marshal.

	Prev.Yr.	Current
Permits issued for welding and burning, Largely ship repairs	1050	983
Certified Chemists gas free certificates, where required for above	575	421
Joint permits for movement of dangerous cargo, limited storage	320	197
Joint permits for movement of explosives, storage prohibited	20	9

SECOND SECTION (continued)

	Prev.Yr.	Current
Joint permits for movement of reactive chemicals	43	39
Joint permits for movement of radioactive materials	19	11
Permits for fumigation of cargoes or ships, - Chief Wharfinger	243	244

NOTE:

The number of cargoes of hazardous materials through the port has increased considerably: this is noteworthy particularly in the reactive chemicals. Fumigations upon cargo in transit also shows increase, these are conducted by licensed private contractors, using plastic covers - and inserting Methyl Bromide.

In each of the above instances (hazardous cargoes and fumigations) - on site inspection is made by this office. Then the nature of the product and its location on the pier is phoned to the San Francisco Fire Department Communications Center. This information is teletyped to the division and district firefighting headquarters throughout the city.

The joint permits mentioned above are five copy, multicolor units, signed by Chief of Department S.F.F.D., Captain of the Port,U.S.C.G.,Port Fire Marshal S.F. Port Commission and Chief Wharfinger, S.F. Port Commission. Copies are distributed to all principals and to the applicant.

REMARKS:

Field operations including issuance of welding and burning permits, and surveillance upon dangerous cargo in port largely handled by the Deputy Port Fire Marshal, and this is normally accomplished during regular business hours. During other hours and on Saturdays and Sundays, the Harbor Police Department and the U.S. Coast Guard coordinate procedure to issue such hot work permits. However these permits are issued without on site inspection. The Deputy Fire Marshal checks out such work on the next business day.

In normal function the operations of the office of the Port Fire Marshal are closely correlated with the offices of:

The administrative staff, and department heads, San Francisco Port Commission.
The Chief of Department, San Francisco Fire Department.
The Chief, Division of Fire Prevention and Investigation, S.F.F.D.
The Captain of the Port San Francisco, United States Coast Guard.
The Bay Area Waterfront Fire Safety Council, including the cities of: Oakland, Alameda, Stockton, Sacramento, Richmond, and Redwood City.
The Pier Superintendents and managerial staffs of shipping companies.

FIRE PREVENTION AND INVESTIGATION

DEPUTY FIRE MARSHAL

The Deputy Port Fire Marshal assigned to this office is:

Pete A. Rich, Fireman First Class, S. F. F. D.

FIRE SAFETY SURVEY PROGRAM

The Fire Safety Survey Program is a public service operation of the Fire Department in which in-service companies of the fire-fighting force inspect and survey structures and areas within their responding areas.

The program has a dual purpose: First to detect and correct the fire hazard common to residential occupancies, second, to enable fire companies to make pre-fire inspections of buildings and areas which will better prepare them for any emergencies that might occur therein.

Companies stationed in residential areas conduct dwelling inspections designed to reduce home fire and life loss. These inspections are made only with the consent of owner or occupant. Detection and correction of the common fire hazards found in the home have contributed materially in the reduction of these losses.

The second phase of this program is a structural survey or pre-fire inspection of designated buildings in the heavy mercantile and factory districts. This type of inspection is most important to the inspecting companies. It enables the men and officers to become familiar with the special hazards and unusual problems that exist in their response areas.

While engaged in these inspection duties, the companies remain in service and are available for response to any emergency by radio communication.

All of the fire companies are working in this program and the experience, to-date, has shown that this program has been well received by the public and has benefited the Fire Department by establishing good will and maintaining good public relations with the citizens of San Francisco.

The following is a statistical report of this program for Fiscal Year 1969-70:

INSPECTIONS	NUMBER
Total homes contacted - - - - - - - - - - - - -	26,521
Total homes admitted - - - - - - - - - - - - -	10,222 - 38.5%
Total "Not home" - - - - - - - - - - - - - - -	14,150 - 53.3%
Total "Declined" - - - - - - - - - - - - - - -	2,149 - 8.2%

FIRE PREVENTION AND INVESTIGATION

COMMON HAZARDS DETECTED

Smoking - matches	252
Electricity	799
Flammable Liquids	382
Stoves - heating	249
Rubbish - storage	2,161
Miscellaneous	666
TOTAL	4,509

STRUCTURAL AND AREA SURVEYS

Total building and area surveys	368
Total company inspection hours	665
Total Inspection Days	158

TRAINING

V
TRAINING

DIVISION OF TRAINING

During Fiscal Year 1969-70, the Division of Training continued its function as the directional center of instruction for the Department. Through the means of direct instruction by the assigned staff; by the use of specialists within and without the Department; through the maintenance of the series of Departmental Training Manuals; by issuance of Informational Bulletins; through specially arranged demonstrations; through the programming of Company Station Drills, Engine Drafting and Hydrant Drills, Truck Company Ladder Drills; and by conducting Unit Training Sessions at the Drill Tower, the Division fulfilled its assigned requirement to maintain the high level of proficiency that has characterized our Department through the years.

Direct Training was conducted on various levels, ranging from basic courses in firemanship and indoctrination into the department for the recruits entering the fire service, through instruction of newly appointed Company Officers and Battalion Chiefs, and the maintenance of basic skills and proficiency of the fire-fighting Companies, plus the introduction of new equipment, concepts, and practices.

During this past year 114 recruits received indoctrination and training at the Fire College through an accelerated six weeks course of basic instruction. All have been assigned to the Fire-Fighting Companies qualified to perform the duties of Hosemen, Truckmen, Salvagemen, Drivers, Pump Operators, Tillermen, and Relief Chiefs' Operators. These new men comprise 9% of the H-2 Firemen in the Department.

A shortage of qualified Relief Chiefs' Operators was noted at the beginning of the Fiscal Year and, to remedy this, Operator Thomas Knust was temporarily assigned to the Division of Training to conduct courses of instruction necessary to qualify members for this critical position. A total of 135 men received this instruction course and were qualified as Relief Operators by the Department of Electricity, which raise the list of Operators and Relief Operators to 243 as of July 1, 1970.

The Division assisted in presentation of a newly developed explosive, forcible-entry device, the "Jet-Axe", into the fire service and introduced it into the San Francisco Department in a pilot program.

Staff members conducted the instruction and qualification of affected company members in the operation of the recently acquired Diesel Units in addition to the normal training of members as Drivers, Tillermen, and Pump Operators. They have assisted the Bureau of Equipment in the testing of new apparatus and equipment when so requested. They continue to remain the liaison with the Department of Motor Vehicles, to arrange for the necessary drivers license to operate fire apparatus, and they are the processors of the Departmental Identification Cards.

TRAINING

The Division remains the center for budgeting, ordering, and dispensing protective clothing for the fire-fighting forces. It is the unit that researched and introduced the riot protection helmet into the department during the winter of 1969.

The Division originates and distributes the extensive program of Training Manuals covering multitudinous subjects. On October 22nd, a completely revised Aircraft Fire and Rescue Manual was issued. In February, twenty Battalion Chiefs were designated as committeemen to review all manuals for updating or additions. The Chief, Division of Training, acts as Chairman of the Promotional Study Material Committee and serves as the Departmental appointee to review said examinations with the Civil Service Commission. He is an Ex-Officio member of the Safety Committee of the Department, and is the Departmental representative in the city-wide Central Safety Committee. He initiates the requisitions for new members into the Department and works in cooperation with the Civil Service Commission and the Department Physician to this purpose.

In accord with the Division of Industrial Relations, State of California, the Division of Training instituted an apprenticeship program under the Veterans Administration whereby recruits, who are veterans, receive benefits as apprentice trainees. The Division administers the required clerical work throughout the period of said benefits.

The Division assists the Airport Division in their specialized training and coordinates the training of specified municipal units in Aircraft Fire and Rescue operations.

Merit Award ceremonies were conducted at the Division of Training on August 27, 1969 and on May 9, 1970, on which latter date demonstrations of equipment were held in observance of Fire Service Recognition Day. On February 2nd, the Fire College was host to representatives of neighborhood associations at a luncheon whereat Chief Murray presented the factors concerning a proposed bond issue and the then current Gage-Babcock Report. The Division was visited by Fire Officials from Europe, Asia, Canada, and many local departments.

The Drillmaster, Captain Cronin, completed a two weeks course of instruction under the Disaster Office of the State of California to qualify as a licensed Source Handler of Radiological Materials, and as an Instructor in Radiological Monitoring.

The Chief, Division of Training, attended the Western Conference of Training Directors at San Diego, November 30 through December 5; he attended all Staff Meetings of the Chief of Department; and acted as Department representative to the Civil Service Commission in the formation of a Cadet program proposed for Fiscal Year 1970-71.

V
TRAINING

Budgeting for, maintenance of, and instruction in the Departmental breathing apparatus program is under the jurisdiction of our Technical Supervisor, Operator Arthur Kuersten. He is, additionally, the Departmental specialist in emergency resuscitation and supervises instruction within the Department on both subjects. He conducts all instruction on these topics to the recruit classes at the Fire College and he holds refresher sessions for the fire companies in the field. He serves as a faculty member of the University of California Hospital on Emergency Resuscitation and, with the assistance of Captain Edward O'Donnell of Rescue Company #2, conducted demonstrations for the American Orthopedic Surgeons symposium on September 25-27.

As a public service, and on request from various organizations, Operator Kuersten conducts a program of Public Education on Emergency Resuscitation. A summary of direct training performed by Operator Kuersten is detailed as follows:

In-Service Fire Companies trained:

55 companies - 526 men - 1330 man hours

Public Education training conducted

56 lectures - 3097 persons instructed - 6220 man hours

A recap of the past years (1969-70) experience in resuscitation service performed yields these figures:

Resuscitation Responses	=	590
Positive Results	=	347
Negative Results	=	243

	Positive	Negative
Mechanical Resuscitation	327	145
Mouth to Mouth	6	30
External Heart Compression	14	68

In addition to the two Rescue Companies, all Truck Companies have now been equipped with the Elder mechanical resuscitator and the crew instructed in its use.

Fireman Robert Moore has been designated and instructed as alternate to Operator Kuersten in his absence, due to a Disability Leave-of-Absence.

FIRE FIGHTING SERVICES

VI
FIRE FIGHTING SERVICES

Headquarters Chief Officers (1969-1970)

DIVISION NO. 1

		Headquarters
Division No. 1	Engine Co. No. 1	115 Drumm Street
Battalion No. 1	Engine Co. No. 5	1340 Powell Street
Battalion No. 2	Engine Co. No. 14	109 Oak Street
Battalion No. 3	Engine Co. No. 4	676 Howard Street

DIVISION NO. 2

Division No. 2	Engine Co. No. 34	1301 Turk Street
Battalion No. 4	Engine Co. No. 15	2150 California St.
Battalion No. 5	Engine Co. No. 21	1443 Grove Street
Battalion No. 7	Engine Co. No. 46	441-12th Avenue
Battalion No. 8	Engine Co. No. 49	2155-18th Avenue

DIVISION NO. 3

Division No. 3	Engine Co. No. 10	2300 Folsom Street
Battalion No. 6	Engine Co. No. 13	3880-26th Street
Battalion No. 9	Engine Co. No. 38	1000 Ocean Avenue
Battalion No. 10	Engine Co. No. 42	2430 San Bruno Ave.
Battalion No. 11	Engine Co. No. 48	798 Wisconsin Street
Airport Division	S.F. International Airport Airport Rescue Company No. 1 & No. 2	

VI
FIRE FIGHTING

Organization:

The 1969-70 organizational plan of the fire fighting divisions, battalions, companies and special units of the Department is detailed in the Organization Chart contained in this report. Personnel assigned thereto is detailed in the Personnel Chart of this report.

Department Buildings:

The Department buildings at which the personnel and various units of the Department are stationed are as follows:

1	Department Headquarters
47	Company Stations
2	Airport Company Stations
1	Assignment & Communication Headquarters
1	Bureau of Equipment Headquarters
2	Pumping Stations (H.P.System)
2	Tank Stations (H.P.System)
1	Reservoir Station (H.P.System)
2	Warehouses (Storage)
1	Deactivated Company Station
1	Pipe Yard Station (H.P.System)

Construction, reconstruction, and resultant relocation of Company Stations, as authorized by the 1964 Bond Issue, are detailed in the Division of Special Services report.

Apparatus and Equipment:

The overall appraisal of the In-Service Equipment status of the Department remained satisfactory during fiscal year 1969-70, with the exception of our automotive equipment status. For several years, the Department replacement policy of heavy fire fighting apparatus such as pumpers, aerial trucks, etc., has been based upon a 20-year useful life factor. Due to obsolescence of many makes of fire fighting apparatus, established by the production agency thereof, the useful life expectancy of 20-years can no longer be considered practical and the normal age, or life expectancy, for first-line fire apparatus is now considered to be 15-years.

In the June 2, 1970 election, a Bond Issue in the amount of $5,767,000, to improve the Fire Protection Systems and Equipment of the San Francisco Fire Department, was submitted to the electorate of San Francisco. Included in this Bond Issue were funds in the amount of $1,774,000 for purchase of first-line fire fighting apparatus to effect a reduction of our 20-year Replacement Policy to a 15-year Policy. Unfortunately, this Bond Issue failed to receive passage by a very narrow margin, and due to Charter Regulation, it cannot be resubmitted to the electorate until November, 1971.

Apparatus and Equipment: (Continued)

To alleviate our precarious situation, relative to our automotive equipment replacement policy, a Supplemental Appropriation Request has been submitted to the Mayor of a minimum replacement requirement of four pumpers, one aerial ladder truck, seven replacement apparatus engines, as well as, other miscellaneous first-line fire fighting automotive equipment.

Hose Complement:

The hose complement of the Department, excluding short utility lengths, soft suctions, hydrant jumper lengths, circulator, multiversal and house lengths is recorded in the following chart:

S.F.F.D. Hose Complement - June 30, 1970

Age	2-3/4" Hose	1-1/2" Hose	1" Hose
10 Years or Less	70%	100%	64%
10 - 15 Years	22%		24%
Over 15 Years	8%		12%
Total Footage	179,000	65,900	27,800

Total Hose Footage - 272,700

Emergency Response:

During the Fiscal Year July 1969 to June 1970 inclusive, the Department responded to 33,619 alarms, an increase of 2,600 alarms over the previous year.

	Bell Alarms	Still Alarms	Total	False
July 1969	2,081	1,519	3,600	1,310
August 1969	1,761	1,255	3,016	1,100
September 1969	1,784	961	2,745	1,196
October 1969	1,866	1,115	2,981	1,325
November 1969	1,767	926	2,693	1,292
December 1969	1,415	968	2,383	980
January 1970	1,467	922	2,389	1,091
February 1970	1,541	852	2,393	1,101
March 1970	1,661	1,002	2,663	1,117
April 1970	1,517	1,184	2,701	884

Emergency Response: (Continued)

	Bell Alarms	Still Alarms	Total	False
May 1970	1,537	1,410	2,947	861
June 1970	1,733	1,375	3,108	1,098
Total 1969-1970	20,130	13,489	33,619	13,355
Six-Year Comparison				
1968-1969	19,344	11,675	31,019	12,594
1967-1968	17,200	12,362	29,562	10,597
1966-1967	11,993	10,373	22,366	7,072
1965-1966	10,851	10,597	21,448	5,242
1964-1965	8,781	9,151	17,032	3,908
1963-1964	8,440	9,231	17,671	3,709

Fires:

Bell Alarms	5,057
Still Alarms	5,878
No Alarms	59
Total	10,994

Special Calls:

In conjunction with other alarms	151

Major Alarms:

Second Alarms	126
Third Alarms	40
Fourth Alarms	5
Fifth Alarms	5
Total	176

Extent of Fires:

	YES	NO
Confined to floor of origin	3,968	125
Confined to building of origin	4,001	92

Classification of Buildings in which fires occurred:

Type 1	519
Type 2	13
Type 3	864
Type 4	28
Type 5	2,669
Total	4,093

Deaths at Fires:

Male	14
Female	23
Total	37

VI
FIRE FIGHTING

Total Street Fire Alarm Boxes Activated:		Total False
July 1969	2,059	1,277
August 1969	1,726	1,081
September 1969	1,750	1,189
October 1969	1,842	1,320
November 1969	1,749	1,274
December 1969	1,398	968
January 1970	1,446	1,074
February 1970	1,525	1,098
March 1970	1,504	1,116
April 1970	1,455	884
May 1970	1,513	861
June 1970	1,711	1,098
Totals	19,678*	13,240

* This figure is minus Greater Alarms, Special Calls and No Alarms.

It is noted that of the total 19,678 Fire Alarm Boxes activated during the fiscal year 1969-1970, 15,457 of these Fire Alarm Boxes were activated by civilians from street Fire Alarm Boxes, of which 11,956 were False Alarms, for an average of 77 per cent.

Your attention is also directed to the explanation of the "2-1" Signal, adopted on December 15, 1969, contained in the Bureau of Assignments and Communications Report, page 14. This signal curtails response of apparatus to suspected false alarms to one or two units. Since its adoption, to and including June 30, 1970, 12,901 Fire Fighting Units have been curtailed from response to False Alarms.

Type of Response: (1969-1970)

Building Fires:	
Theatres	6
Public Assembly	197
Schools	84
Institutions	53
Hazardous	30
Business	399
Non-Hazardous	6
Residential	2,977
Vacant Buildings	145
Other, Miscellaneous Buildings	160
Vehicles	1,550
Wharves and Piers	41
Boats and Ships	12
Grass and Rubbish	4,720
Miscellaneous Fires	602

Type of Response: (1969-1970) (Continued)

Resuscitation	439
Greater Alarm Response	176
Special Call Response	151
Emergencies Other Than Fires	8,516
False Alarms	13,355
Total	33,619

CAUSES OF ALARMS

AUTOMOBILES:	
Backfiring through carburetor	476
Colliding with fire alarm boxes	11
Colliding with fire hydrants	181
Motor igniting	138
Overheated Brakes	26
Overheated Transmission	29
Smoking igniting seats and upholstery	409
Wiring	317
BOMBS	3
BURNING PAINT FROM BUILDINGS	7
BURNING TORCH IGNITING COMBUSTIBLES	51
CANDLES, IGNITING COMBUSTIBLES	15
CHIMNEYS:	
Patent defective and/or overheated	13
Sparks from igniting combustibles	31
DEBRIS BOXES	72
DUMPS	98
ELECTRIC:	
Automatic alarms accidentally actuating	259
Blankets	11
Dishwashers	11
Dryers	30
Elevators	52
Extension Cords	31
Fluorescent lights	47
Furnace Motors	0
Fuses Blown	3
Globe igniting flammables too close	31
Heaters	36
Irons	6
Manhole and underground vaults	2
Motors overheated	91
PG&E Wires and Poles	272
Plate	10
Refrigerator motors	28
Radios	11
Stoves	42
Television sets	50

FIRE FIGHTING

ELECTRIC: (Continued)	
Toasters	5
Transformers	23
Washing Machines	19
Wiring, defective in buildings	304
FALSE ALARMS	13,355
FIRE PLACES - defective and/or overheated	27
FIREWORKS	21
FRICTION	6
GAS:	
Boilers	5
Dryers	51
Escaping, igniting	30
Furnaces	76
Heaters	35
Stoves, overheated	157
Stoves, burned food	521
Water heater, defective and/or overheated	83
GASOLINE: Vapors igniting	37
GRASS AND RUBBISH	4,720
GREASE IN FLUE IGNITING	75
HOT ASHES: igniting combustibles	9
INCENDIARY	378
INCINERATOR - clogged and/or overheated	13
JUVENILES WITH MATCHES IGNITING COMBUSTIBLES	400
LIQUEFIED PETROLEUM GAS	1
LOCK-OUTS AND LOCK-INS	602
MISTAKEN ALARMS	975
MOLOTOV COCKTAILS	29
REFRIGERATOR SYSTEMS - leaking, etc.	84
SMELL OF GAS	266
SMELL OF SMOKE	1,032
SMOKING:	
Igniting awnings	87
Igniting bedding	394
Igniting chesterfields and chairs	177
Igniting combustibles in buildings	1,066
Igniting garbage cans in chutes	185
SPECIAL SERVICES:	
Assists and rescues	990
Other	891
Resuscitation	439
SPONTANEOUS COMBUSTION	17
SPRINKLER SYSTEM - Actuating	173
STEAM MISTAKEN FOR SMOKE	54
STREET ROAD FLARES	60
TAR KETTLE	13
UNDETERMINED	17
VAPORS (Flammable igniting)	46
VICINITIES	256
WASHDOWN STREETS	1,387
WATER, Leaking	800
XMAS TREE	1
TOTAL	33,292
MAJOR ALARMS	176
SPECIAL CALLS	151
GRAND TOTAL	33,619

VI
FIRE FIGHTING

Special Services:

The Department responded to 8,516 alarms for other than fire service during the year reported. This number of responses involved rescue and public assistance emergencies, 339 of which were for resuscitation emergencies. In addition, 417 emergencies involving First Aid and resuscitation were also serviced by Units assigned to Airport Companies. A total of 756 resuscitation emergencies therefore were serviced by this Department during 1969-70.

Under the category of "Special Services" the Department has worked in close liaison with the Medical and Safety Officer of the Bay Area Rapid Transit District (B.A.R.T.) to provide "Fire-Rescue" protection in areas of subway tunnels which, during construction process, are under a condition of high atmospheric compression pressures. Selected members of the Fire Department, within the response areas involved, and after careful screening and thorough physical examination, have been certified to enter the compressed-air subway tunnel areas. Special emphasis has been made to certify members of our Rescue Units as well as to certify sufficient Chief Officers essential to provide necessary "rescue-fire" supervision.

Training for this type of Special Services has been conducted in three phases:

(1) Training in special techniques necessary for the use of respiratory protective equipment when operating in areas of high compression atmospheric pressures.

(2) Indoctrination on the provision and location of fire-rescue equipment provided in the tunnel areas.

(3) Fire-Rescue evolution performed in the tunnel areas under condition of compressed air and use of respiratory equipment.

During fiscal year 1969-70, Fire Department operations, in respect to B.A.R.T. have been confined to surface operations only, requiring standard fire-rescue procedures. However, in the event of sub-surface emergencies, the Department is qualified to perform any service required.

Salvage Operations:

The Salvage Operation of the Department is one of the prime factors in keeping fire damage and the resulting property loss to a minimum in San Francisco.

Prompt and efficient action on the part of the Salvage Companies has reduced indirect fire damage to a low level. This is most important because a great part of fire loss is damage from smoke and water, breakage and debris.

Salvage Operations: (Continued)

The salvage work also extends into many other areas. Industrial and commercial incidents involving spills, broken pipes and mains, damaged tanks and containers, broken sprinkler installations and defective plumbing fixtures have been handled in efficient action.

In addition many responses were made to secure premises against property loss by storm damage, vandalism and accidents. Leaking roofs, flooded basements and clogged drains also were serviced in our Salvage Operations.

The Salvage Companies performed the following operations during the fiscal year 1969-1970:

Alarms responded to - - - - - - - - - - - - - - - -	7,842
Salvage covers spread - - - - - - - - - - - - - - -	2,691
Roof covers spread - - - - - - - - - - - - - - - - -	365
Sprinkler heads replaced - - - - - - - - - - - - - -	267
Sacks of sawdust (Floor Drying,etc.) - - - - - - -	26
Roofing paper used - exposures (Rolls) - - - - - -	31
Polyethylene Plastic used - exposures (Rolls)- - -	62

The Sand Unit, assigned to the quarters of Engine Co. #15, responded to 11 Calls and spread 83 buckets of sand before being placed out of service in August 1969.

The billings for roof and salvage cover rentals in the fiscal year 1969-1970 amounted to $7,330.50. This revenue is returned to the City and County of San Francisco.

Water Rescue and Firefighting Scuba Unit:

This Unit continued operations throughout the year, as in the past. The Unit consists of 60 members, under the direction of Captain Edward J. Phipps. Expanding use of the Unit, especially by Military Organizations, has become apparent. The potential of the Unit as an effective means of combating pier fires is evident, and the use of the Unit for body, auto and many other types of search and recovery has been satisfactory. The Unit has almost been completely outfitted and, upon receipt of 1970-71 Budget Allowance, the Unit outfitting will be completed.

For the future, it is planned to reorganize the Unit completely. Upon approval of the Chief of Department, it is planned to hold another new class for Divers and a re-certification of the present members of the Team. A schedule of drills to be held is now in the process of being printed and distributed. It is anticipated that the Unit will continue to expand its services to the Department and to the citizens of San Francisco.

Water Rescue and Firefighting Scuba Unit: (Continued)

Following is a summary of activities of the Unit for the Fiscal Year 1969-1970:

DRILLS:

9/26/69 Diving Unit assigned to drill at Twin Peaks Reservoir - also to check screens and condition of Reservoir. Cancelled at 0930 hours. Unit requested to respond to a 4th alarm fire at Pier 14.

12/3/69 Diving Unit assigned to drill at Hamilton Pool 0900-1500 hours.

2/25/70 Diving drill at Twin Peaks Reservoir - Unit checked screens and condition of Reservoir - demonstrated for Richmond Fire Department divers.

5/9/70 Diving Unit performed three shows for the public at quarters of Firebcat #1 for Fire Service Recognition Day - 1130-1500 hours.

6/10/70 Diving Unit was requested to demonstrate for film production by KRON-TV at Pier 90 - service 4-hours.

6/18/70 Diving drill held at Fleishhacker Pool from 0900 hours until 1130 hours.

FIREFIGHTING & RESCUE RESPONSES:

9/26/69 Diving Unit responded to 4th Alarm Box 2131, led hose lines under pier, assisted companies - service 4-hours.

3/3/70 Search for reported body in Lake Merced. Search results negative, apparent false report

3/28/70 Search for body, Fisherman's Wharf area near Pier 47, results positive body located & recovered - service 2-hours.

3/29/70 Standby at Crissy Field - 2 divers with Helicopter at request of Military - service 2hours-45minutes.

4/16/70 Diving Unit responded to Hyde Street Pier to recover Light Unit lost at fire. Unit recovered. Service 6-hours.

4/21/70 Diving Unit responded Marina Yacht Harbor. Automobile over sea wall, assisted in removal of Auto. Service 30-minutes.

5/1/70 Diving Unit responded to Box 944. Assisted companies, led hose lines under pier - service 1hour & 55minutes.

FIREFIGHTING & RESCUE RESPONSES: (Continued)

5/13,14,15/70 Diving Unit to Crissy Field at request of Military Standby - service 8 hours.

Harassment - Incident:

During the fiscal year of 1969-70, the unexplainable incidents of harassment involving firefighters continued, detailed as follows based on reports received:

Type of Harassment	No. of Incidents
(1) Rocks and other types of missiles thrown at firefighters or responding apparatus	31
(2) Verbal abuse and threat of bodily harm	7
(3) Rocks and other missiles thrown in or at Fire Stations	5
(4) Firefighters threatened by rifle fire	2
(5) Fire bombs throwen in or at Fire Stations	2
(6) Illegal attempt to force entry into Fire Stations	2
(7) Attempt to block fire apparatus returning to quarters	1
(8) Fire apparatus struck by rifle fire	1
Total	51

Every effort has been made through the public relations and educational office of the Department to curtail this type of harassment, as well as through cooperation with the Police Department, the Fire Protection Committee of Local #798, Firefighters Union, and various news media.

All apparatus, subject to First Alarm Response in areas of high harassment incident, are now provided with cabs to protect firefighters assigned thereto from thrown missiles when responding to, or returning from, emergency alarms.

Further, all Firefighting Companies are now provided with a "Toptex" helmet, designed to provide maximum protection of the head, face, neck and ears against thrown or falling objects for each Firefighter assigned thereto. It had been expected that the "Toptex" helmet would prove to be an adequate substitute for the typical "Cairns" Fire Fighting Helmet; however, in actual firefighting experience its use did not prove practical. It therefore is assigned to all firefighting apparatus for use only in areas of high incidents of harassment.

VI
FIRE FIGHTING

AIRPORT DIVISION

Personnel:

The Airport Fire Department is a Division of the San Francisco Fire Department assigned to the San Francisco International Airport. The members assigned to the Airport are experienced firemen who are especially trained in the techniques of aircraft rescue and fire suppression.

The 1969-70 authorized personnel complement of the Airport Division of the San Francisco Fire Department is as follows:

1	H30	Captain	Airport Fire Marshal
1	H10	Chiefs Operator	Fire Marshal Aide and Training Officer
6	H20	Lieutenants	Company Officers
36	H2	Firemen	Drivers & Equipment Operators

Organization:

The Airport Division is organized into two Airport Rescue Companies. Airport Rescue Station #1 is located in Hangar #4, facing taxiway Alpha (A) between taxiways Sierra (S) and Romeo (R). The Airport Division Headquarters, as well as Rescue Company #1, is housed in this Station. Three Lieutenants and twenty-three Firemen are assigned to Rescue Company #1.

Airport Rescue Station #2 is located 750 feet northwest of the intersection of taxiways Charlie (C) and Echo (E). This company assignment is composed of three Lieutenants and thirteen Firemen.

The Airport Fire Marshal and his aide, the Training Officer, work a five day week, 0800 to 1700 hours, and are on recall during their off-duty status. All other personnel work the standard tours of duty of a San Francisco Firefighting Division. This allows for a daily manning of one (1) Officer and seven (7) Firemen at Rescue Station #1 and one (1) Officer and four (4) Firemen at Rescue Station #2.

Responsibilities:

The Airport Division of the San Francisco Fire Department is responsible for:

a. Aircraft Rescue and Fire Protection applicable to the standards specified by the Federal Aviation Agency (FAA AC 150/1510-6A App. 1, Index IX), and the National Fire Protection Association (Code 403, Table 1A and 1B, index 6).

Responsibilities: (Continued)

b. Structural fire protection as specified by the Pacific Fire Rating Bureau.

c. Emergency First Aid and Resuscitation.

d. Building Inspection of Airport Facilities.

e. Fire Prevention and Investigation relative to Airport Facilities.

f. Administrative management, including: budget preparation, equipment specifications, purchasing, contracts, permits, maintenance of records, personnel management and training.

Rating:

With the advent of the Boeing 747, the San Francisco International Airport automatically entered a higher rating under NFPA 403 and FAA 150/1510. This is Index 6 and Index IX respectively. The change affects only the turret discharge capacity, foam and water carrying minimums, of Airport Units involved. The Airport Division meets the standards required.

Fire Hose (Airport Complement):

Size	In Service	In Reserve	Total
2 3/4 in.	5250 feet	2000 feet	7250 feet
1 1/2 in.	1350 feet	900 feet	2250 feet
1 in.	2400 feet	0 feet	2400 feet

Water Supplies:

Fire Hydrants:
Two hundred and twenty-six fire hydrants are in service at the Airport. All hydrants have at least one three (3) inch outlet.

Tanks and Pumps:

United Air Lines Tank and Pump	-	320,000 gallons @ 7500 GPM
Old Pan Am Tank and Pump	-	300,000 gallons @ 10,000 GPM
New Pan Am Pump	-	7500 GPM
TWA pump	-	2500 GPM

The UAL and old Pan Am tanks and pumps are connected to Airport mains and can be used to augment existing facilities. Pumps are connected to local mains, hydrants and deluge sprinkler systems. Standpipes are located at the north and south ends of the Central Terminal, three positions on the east side of the garage, UAL Freight Terminal and Air West Airlines maintenance facility.

Water Supplies: (Continued)

All component parts of tank systems, including mains, gate valves, pumps and other appurtenances, are regularly inspected and serviced.

Fire Alarm System:

In addition to the "Brigade" telephone alarm system and the Crash alarm system, there are four "Phantom" Fire Alarm Boxes used for greater alarm response. These boxes are struck on radio command from Airport communications to the San Francisco Central Fire Alarm Office.

Radio Communication:

All Airport Division Mobile Equipment is equipped with two-way radio. A manual of radio procedure published by Airport governs the operation of this radio. Two radio systems are in use at the Airport:

#1 121.8mg VHF-FM operated by the FAA in the Control Tower, and is used for the control of all aircraft and vehicular movement on the ramps, taxiways and runways. No inter-vehicle communication is allowed on this frequency.

#2 458.2mg and 453.2mg UHF-FM controlled and operated by Airport communications for inter-vehicle and/or office communication.

Training:

Training and instruction of Airport Division personnel is conducted daily. Saturday and Sunday are reserved for airport familiarization. All training is under the supervision of the Airport Fire Marshal and conducted by the Training Officer and Company Officers. Training is conducted in accordance with the recommended practices of the N.F.P.A., Aviation Division, and the Military Aviation Branches.

Manhours of Training:

Direct Training	849 manhours
Functional Training	1502 manhours
Related Training	1627 manhours

Training: (Continued)

Materials Expended in Training:

Foam 3% (organic-mechanical)	1485 gallons
Foam 6% (detergent-mechanical)	110 gallons
Dry Chemical	990 pounds
Carbon Dioxide	635 pounds
Turbine fuel-Gasoline	13,200 gallons

Permits Issued:

Flamable Storage	3
Open Flame Welding	25

Fire Prevention:

Number of Inspections	132
Number of Violations	7
Number of Corrections	7

Emergency Alarms:

Classification of alarms is as follows:

Alert #1 is a potential accident or an actual emergency, but aircraft is not expected to arrive for five (5) minutes. Alert #2 is an accident that has occured or is imminent. Miscellaneous alarms include: structural fires, broken mains or hydrants, standbys for aircraft defueling; removal, disposal or other care of radioactive materials and toxic gases and flammable materials damaged in shipment. False alarms are not included since all alarms are reported by telephone and can be screened by Airport Communications, and investigated by the Fire Marshal or Company Officers.

Emergency Alarms: (Continued)

Mo.& Yr.	Alert 1	Alert 2	Fire Alarms	Fuel Spill	First Aid	Code 10	Misc.	Alarm Total	Total Service
Jul. 69	31	0	20	12	33	3	39	138	129:18
Aug. 69	23	5	23	17	63	2	52	185	128:43
Sept.69	27	3	24	11	31	2	42	140	160:02
Oct. 69	31	5	31	17	39	0	23	146	133:45
Nov. 69	22	3	12	16	23	2	27	105	130:10
Dec. 69	25	2	13	27	42	3	26	138	153:00
Jan. 70	28	1	15	7	26	4	29	110	119:47
Feb. 70	30	1	13	19	35	3	47	148	88:12
Mar. 70	25	1	30	14	37	9	29	145	127:00
Apr. 70	26	5	20	13	35	0	27	126	91:00
May 70	15	3	30	26	33	4	15	126	176:17
Jun. 70	22	1	25	23	36	4	15	126	128:35
TOTALS	305	30	256	202	433	36	377	1633	1565:49

In 1969-1970, there were nine (9) major aircraft accidents and/or fires. Five (5) involved single engine private aircraft; two (2) were twin engine aircraft, one (1) private and one (1) commercial; one four engine commercial turbo-prop aircraft; and one (1) four engine commercial jet aircraft. No loss of life or injury occurred in any of these incidents. The two large four-engine aircraft had fires only and were not involved in a crash. The four-engine turbo-prop aircraft was carrying explosives and radioactive material, but rapid fire suppression work prevented any rupture of containers.

First Aid Response:

	Positive	Negative
Mechanical resuscitation/mouth to mouth. .	87	7
Cardiac Compression	7	7
Miscellaneous First Aid	323	2

First Aid Response: (Continued)

The Airport Division "First Aid" crew is usually the first emergency crew to arrive at the scene of an incident; thus, they must evaluate and perform the recommended immediate care. The number and variety of these calls are too numerous to separate and classify. A representative number of these cases are: epileptic seizure, insulin shock, shock, fainting, hyperventilation, cramps, miscarriage, overdose of drugs, violent reaction to drugs or alcohol, malarial fever reaction (quite common due to the number of servicemen transiting SFIA enroute from SEA), patients enroute to hospital, falls, abrasions, fractures, breaks and lacerations, and on the ramp a number of severe physical injuries from explosions, collisions and struck by moving vehicle. The "First Aid Crews" special skills and emergency tools and equipment receive maximum use during the course of the year reported.

SAN FRANCISCO INTERNATIONAL AIRPORT

FIRE DEPARTMENT EMERGENCY EQUIPMENT

UNIT	MOBILE #	SFA #	MFR/YR	PUMP	WATER	FOAM	DRY/ CHEM	CO2	TURRETS	HOSE REELS	HOSE
RESCUE #1	37	65	International 1964	0	0	0	0	100#	0	0	200' 1½"
RESCUE #2	32	66	Amer.LaFrance 1966	1000 GPM	500 GAL	50 GAL	0	0	0	2-200 ft. 50 GPM	1000' 2-3/4" 200' 1½"
RESCUE #3	35	62	Yankee 1960	750 GPM	1400 GAL	300 GAL	0	0	500 GPM 300 PSI	2-200 ft. 60 GPM	0
RESCUE #4	40	67	Yankee Walter 1968	2-1000 GPM	3000 GAL	500 GAL	0	0	1500 GPM 225 PSI	2-200 ft. 65 GPM	0
RESCUE #5	41	68	Yankee Walter 1969	2-1000 GPM	3000 GAL	500 GAL	0	0	1500 GPM 225 PSI	2-200 ft. 65 GPM	0
QUAD #1	38	60	Yankee 1959	1000 GPM	750 GAL	110 GAL	300#	0	300 GPM 300 PSI	2-200 ft. 50 GPM	1000' 2-3/4" 500' 1½"
QUAD #2	34	61	Yankee 1959	1000 GPM	750 GAL	110 GAL	2-100' 300#	0	300 GPM 300 PSI	2-200 ft. 50 GPM	1000' 2-3/4" 500' 1½"
TANKER #1	36	63	G.M.C.1954	685 GPM	4000 GAL	0	0	0	0	0	150' 2-3/4"
COMMAND	31	64	Ford-1968 Fire Marshal Car-4 door sedan								

RESERVE UNITS

RESCUE-155	39	20	White 1942	1000 GPM	1000 GAL	100 GAL	0	0	2-250 GPM 200 PSI	0	200' 1"

HOSE TRAILER * Carries 2000 ft.- 2-3/4" hose. ** FOAM TRAILER * Carries 315 GAL-3% Foam Concentrate.

LIGHT UNIT * Unit is trailer mounted & carries 10 Lamps; rating is 250 Candlepower.

All equipment with mobile numbers are radio equipped; Tower Frequency and Intervehicle Frequency. Rescue #1 carries a Resuscitator, Porta-power tools, auxiliary generator, metal cutting power saws and a large First Aid kit. Rescue #2 has 2-Scott Air Paks, a Resuscitator, Audio Hailer and is also equipped with S.F.F.D. Radio. The Command vehicle also has S.F.F.D. radio and is in radio communication with Fire Department Communications Center at all times. All mobile units have the usual small tools, axes and hand extinguishers.

At this date there is an Aerial/Snorkel type ladder truck on order with delivery expected in 1970.

(January/1970)

In Memoriam

NAME	RANK	DATE	STATUS
Selland, Norris J.	Fireman	8-2-69	Active
McCarthy, David	Fireman	10-13-69	Active
Entrup, Melvin	Lieutenant	10-18-69	Active
Grimm, Earl	Investigator	12-18-69	Active
Collins, Frank J.	Investigator	1-21-70	Retired
O'Connell, Dennis J.	Fireman	1-22-70	Retired
Dykes, John H.	Fireman	1-26-70	Retired
Dunker, Wilbur E.	Fireman	1-28-70	Active
Rice, Emmet J.	Fireman	1-31-70	Retired
Fischer, George	Fireman	2-5-70	Retired
Devencenzi, Angelo A.	Fireman	2-10-70	Retired
Minshall, Frederick	Fireman	2-13-70	Active
Kenna, William J.	Lieutenant	2-19-70	Active
Driscoll, Raymond	Lieutenant	2-19-70	Retired
Connolly, Patrick	Fireman	2-20-70	Retired
Galiata, Rinaldo	Fireman	3-4-70	Retired
Martin, Raymond J.	Fireman	3-19-70	Retired
Benn, George J.	Fireman	3-30-70	Retired
Hennessey, Daniel	Fireman	4-2-70	Retired
Evans, Lindsay E.	Fireman	4-13-70	Retired
Gordon, Thomas	Fireman	4-20-70	Retired
Trapp, George L.	Assistant Chief	4-20-70	Retired
Ferris, John M.	Fireman	4-25-70	Retired
Davis, Joseph H.	Fireman	4-27-70	Retired
Hutchinson, Robert L.	Fireman	5-22-70	Active
Farley, William H.	Lieutenant	5-24-70	Retired
Spes, Frank	Fireman	6-7-70	Retired
Tehaney, Martin A.	Captain	6-28-70	Retired

SAN FRANCISCO FIRE DEPARTMENT

ANNUAL REPORT 1970-1971

SAN FRANCISCO FIRE DEPARTMENT

ANNUAL REPORT

1970-1971

FIRE COMMISSION

FRANK ALIOTO	PRESIDENT
RUDY THAM	VIC. PRES.
MORRIS BERNSTEIN	COMMISSIONER

CHIEF OF DEPARTMENT

KEITH P. CALDEN

Honorable
JOSEPH L. ALIOTO
Mayor

F I R E C O M M I S S I O N

Honorable
FRANK N. ALIOTO
President

Honorable
MORRIS BERNSTEIN
Commissioner

Honorable
RUDY THAM
Vice President

RAYMOND G. CONNORS, JR.
Secretary

KEITH P.CALDEN
CHIEF OF DEPARTMENT

CLARENCE G.ROSENSTOCK
DEPUTY CHIEF OF DEPARTMENT

WILLIAM F. MURRAY
-RETIRED-

After fifty years of illustrious service, Chief William F. Murray retired as Chief of Department on January 4, 1971.

Chief Murray was appointed Chief of Department on December 16, 1956.

During his term of office many new and progressive programs in the Department were innovated under his stimulus and guidance.

The Fire Department wishes Chief William F. Murray many years of success and happiness in his new career of retirement.

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- In Memoriam -

CHIEF OF DEPARTMENT

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO FIRE DEPARTMENT

OFFICE
IF OF DEPARTMENT

260 GOLDEN GATE AVE.
SAN FRANCISCO CA. 94102

September 7, 1971

Honorable President and Members
of the Fire Commission
San Francisco Fire Department

Gentlemen:

In accordance with the provisions of Section 20 of the Charter of the City and County of San Francisco, I am pleased to submit herewith the Annual Report of the San Francisco Fire Department for the Fiscal Year, 1970-1971.

The report is in a combination of narrative and statistical form so as to report factually the basic accomplishments of each Division of the Department during the past year.

Year end statistics reveal for the first time since 1964-65 a decrease of 8.6% in the number of fire responses. Also, for the first time, the number of false alarms has been reduced by 11.7%. This downward trend may well be attributed to the efforts of the Fire Prevention Bureau, the Fire Safety Technicians in high-incidence areas, the F L A M E Program for juveniles, and the impact of the "2-1 Signal" whereby the response to certain boxes has been curtailed.

I wish to express my sincere thanks to your Honorable Commission, the Mayor, the Board of Supervisors, and other public officials for their kind assistance and cooperation. Also, I am most appreciative for the service rendered by civic groups, public-spirited citizens, the press, radio and TV stations.

The personnel of the Department continued to perform their duties in an efficient and dedicated manner thus upholding the fine traditions of the San Francisco Fire Department.

Respectfully,

Keith P. Calden

Keith P. Calden
Chief of Department

ADMINISTRATION

II
ADMINISTRATION

SPECIALIZED AUXILIARY SERVICE

On January 4, 1971, the Fire Commission appointed Deputy Chief Keith P. Calden to succeed William F. Murray, Chief Retired, as Chief of Department.

Chief Calden appointed Assistant Chief Clarence G. Rosenstock to the office of Deputy Chief of Department.

The following changes were effected in the Auxiliary Services:

To: Chief, Division of Administration -
Joseph P. Daly - Assistant Chief of Department

Chief, Division of Planning and Research -
Rene' A. Gautier - Assistant Chief of Department

Chief, Division of Training -
Charles W. Carli - Assistant Chief of Department

The remainder of the Auxiliary Staff consists of:

Chief, Division of Fire Prevention and Investigation -
Emmet D. Condon - Assistant Chief of Department

Bureau of Community Relations -
Earl J. Gage - Director

Chief, Bureau of Assignments and Communications -
William J. Graham - Battalion Chief of Department

Bureau of Equipment -
Donald W. McMillan - Lieutenant

The jurisdiction of the Bureau of Assignments and Communications was transferred from the Division of Administration to the Deputy Chief.

II
ADMINISTRATION

CHIEF STAFF OFFICERS

Specialized Auxiliary Service

SAN FRANCISCO FIRE DEPARTMENT

Headquarters

260 Golden Gate Avenue

Division of Administration — Room 225
Joseph P. Daly - Assistant Chief of Department

Division of Fire Prevention and Investigation — Room 327
Emmet D. Condon - Assistant Chief of Department

Division of Special Services — Room 210
Rene' A. Gautier - Assistant Chief of Department

Disaster Corps
(Fire Reserve) Edward E. Murphy - Battalion Chief — Room 312
(Plant Protection) Joseph A. Sullivan - Battalion Chief

Bureau of Community Relations — Room 309
Earl J. Gage - Director

****

Division of Training — 2310 Folsom Street
Charles W. Carli - Assistant Chief of Department

Bureau of Assignments and Communications — 1003 Turk Street
William J. Graham - Battalion Chief

Bureau of Equipment — 909 Tennessee Street
Donald W. McMillan - Lieutenant

II
ADMINISTRATION

PERSONNEL

Employments:

The total number of authorized employments for the Fire Department totaled 1810 for the fiscal year 1970-71. This number of authorized employments remained the same as for fiscal year 1969-70. The total Fire Department authorized employments for 1970-71 is detailed as follows:

UNIFORMED FORCE

1	Chief of Department
1	Deputy Chief of Department
15	Assistant Chief of Department
45	Battalion Chief
86	Captain
227	Lieutenant
58	Chiefs' Operator
1277	Firemen
3	Pilot-Fireboat
4	Marine Engineer-Fireboat
1	Captain-Bur. Fire Prevention
3	Lieutenant-Bur. Fire Prev.
27	Inspector-Bur. Fire Prev.
1	Lieutenant-Bur. Fire Invest.
7	Investigator-Bur. Fire Invest.
1756	Total - Uniform Force - 97.9%

NON-UNIFORMED FORCE

Headquarters Office

3	Fire Commissioner
1	Secretary-Fire Commission
1	Physician (Part Time)
1	Principal Accountant
1	Senior Payroll & Personnel Clerk
1	Payroll & Personnel Clerk
2	Senior Clerk-Stenographer
1	Principal Clerk-Stenographer
2	Senior Clerk-Typist
2	Clerk-Typist
1	Accountant
16	Total Headquarters Office

Bur. Eng. and Water Supply

1	Supt. Bureau Water Supply
1	Foreman-Bur. Water Supply
1	Sub-Foreman-Bur. Water Supply
2	Chief Stationary Engineer
6	Stationary Engineer
1	Stationary Engineer (Relief)
8	Jr. Stationary Engineer
1	Jr. Stationary Engineer (Relief)
14	Utility Plumber
3	General Laborer
38	Total - Bur. Eng. & Water Supply
54	Total - Non-Uniform - 2.1%

TOTAL EMPLOYMENTS

July 1, 1970

1,810

Specific assignments of these employments are detailed on the authorized personnel assignment chart preceding this page.

SAN FRANCISCO FIRE DEPARTMENT

BASIC ORGANIZATION CHART

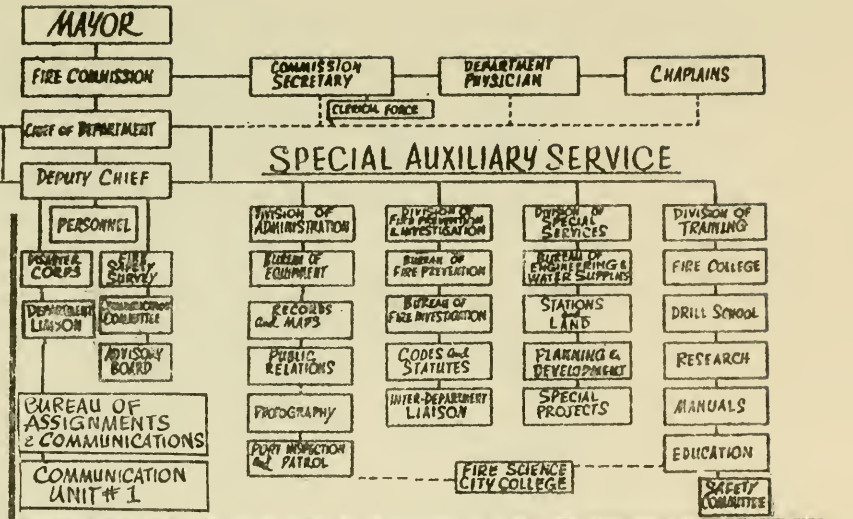
SEC: 203 RULES & REGULATIONS

1970 - 1971

FIRE FIGHTING SERVICE

- 3 DIVISIONS
- 10 BATTALION DISTRICTS
- 44 ENGINE COMPANIES
- 20 TRUCK COMPANIES
- * 7 HOSE TENDERS
- 3 SALVAGE COMPANIES
- 2 RESCUE COMPANIES
- 2 SERVICE UNITS
- 1 FIRE BOAT
- * 13 SPECIAL UNITS
- 1 AIRPORT SECTION

IN SERVICE



			ENGINES	TRUCKS	H.T.	SALV.	RESCUE	F.B.	SPECIAL UNITS
DIVISION # 1	BATTALION # 1	4 STATIONS	1-5-28-41	2-13	8				VALVE UNIT; FOAM UNIT 1
	BATTALION # 2	4 STATIONS	6-14-27-29	6		1			W.T. 3 & 4 FUEL UNIT; HEF 142
	BATTALION # 3	5 STATIONS	4-17-19-35-48	1-8	1-4		1	1	W.T. # 1 AIRCOMPRESSOR COFFEE UNIT
DIVISION # 2	BATTALION # 4	4 STATIONS	3-8-15-20	3-4-16	7	2	2		
	BATTALION # 5	4 STATIONS	21-26-34-40	5-10-12	5				SERVICE UNIT # 1
	BATTALION # 7	4 STATIONS	22-36-46-47	14				S.L. 1 & 2 & E. 21	DIESEL F.U. 1 at E. 34
	BATTALION # 8	4 STATIONS	23-44-45-49	18-20					SERVICE UNIT # 2
DIVISION # 3	BATTALION # 6	5 STATIONS	7-10 13-24-37	7-9-11	6	4			
	BATTALION # 9	5 STATIONS	30-33-38-39-43	15-19					
	BATTALION # 10	5 STATIONS	11-18-25-32-42	17	3				
	AIRPORT	2 STATIONS	AIRPORT RESCUE COMPANIES 1 and 2						

FRANCISCO FIRE DEPARTMENT
ORMED PERSONNEL -- SPECIALIZED AUXILIARY SERVICE

AUTHORIZED PERSONNEL
BUDGET 1970 - 1971

	C.D. 140	O.C. 150	A.C. H-50	B.C. H-40	CAPT. M-30	LT. H-20	OPR. M-10	FRMN M-2	PILOT H-120	M.ENGR. H-110	CAPT. M-32	LT. M-22	LT. H-24	INSP. H-4	INV. H-6	TOTALS
IF OF DEPARTMENT	1						3									4
PUTY CHIEF OF DEPARTMENT		1					3									4
STER CORP - PLANT PROTECTION				2		1										3
LIC ASSEMBLY					1											1
R FRONT SECURITY								1				1				2
ISION OF ADMINISTRATION			1		2	1	1	5								10
AU OF ASSIGNMENTS				1		11		12								24
AU OF EQUIPMENT						1		8								9
ISION OF TRAINING			1		1	3	1	2								8
SION OF FIRE PREV. & INV.			1													1
AU OF FIRE INVESTIGATION													1		7	8
AU OF FIRE PREVENTION											1	2		27		30
ISION OF SPECIAL SERVICES			1					1								2
L. OF ENG. & WATER SUPPLY								7								7
	1	1	4	3	4	17	8	36			1	3	1	27	7	113

FIRE FIGHTING SERVICE

DIVISIONS 1,2,3			10				10									20
DISTRICTS 1 / 10				33			33									66
NE COMPANY 1 HT 1					1	2		21								24
NE COMPANY 3					1	2		17								20
NE COMPANY 4					1	2		17								20
NE COMPANY 5					1	2		17								20
NE COMPANY 6					1	3		17								21
NE COMPANY 7					1	2		13								16
NE COMPANY 8 HT R-7					1	2		17								20
NE COMPANY 10 HT 6					1	2		20								23
NE COMPANY 11					1	2		13								16
NE COMPANY 13					1	2		17								20
NE COMPANY 14					1	2		17								20
NE COMPANY 15					1	3		18								22
NE COMPANY 17 HT 4					1	2		20								23
NE COMPANY 18					1	2		13								16
NE COMPANY 19					1	2		13								16
NE COMPANY 20					1	2		13								16
NE COMPANY 21					1	2		17								20
NE COMPANY 22					1	2		13								16
NE COMPANY 23					1	2		13								16
NE COMPANY 24					1	2		13								16
NE COMPANY 25 HT R-3					1	2		13								16
NE COMPANY 26					1	2		13								16
NE COMPANY 27					1	2		17								20
NE COMPANY 28 HT R-8					1	2		17								20
NE COMPANY 29					1	2		17								20
NE COMPANY 30					1	2		13								16
NE COMPANY 32					1	2		13								16
NE COMPANY 33					1	2		13								16
NE COMPANY 34 HT R-5					1	2		17								20
NE COMPANY 35	Note: HT R				1	2		17								20
NE COMPANY 36	(R) is reserve unit.				1	2		13								16
NE COMPANY 37					1	2		13								16
NE COMPANY 38					1	2		13								16
NE COMPANY 39					1	2		13								16
NE COMPANY 40					1	2		13								16
NE COMPANY 41					1	2		18								21
NE COMPANY 42					1	2		13								16
NE COMPANY 43					1	2		13								16
NE COMPANY 44					1	2		13								16
NE COMPANY 45					1	2		13								16
NE COMPANY 46					1	2		13								16
NE COMPANY 47					1	2		13								16
NE COMPANY 48					1	3		13								17
NE COMPANY 49					1	2		13								16
CK COMPANY 1					1	3		21								25
CK COMPANY 2					1	3		20								24
CK COMPANY 3					1	3		20								24
CK COMPANY 4					1	2		20								23
CK COMPANY 5					1	3		20								24
CK COMPANY 6					1	2		20								23
CK COMPANY 7					1	3		20								24
CK COMPANY 8					1	2		20								23
CK COMPANY 9					1	3		20								24
CK COMPANY 10					1	3		21								25
CK COMPANY 11					1	3		17								21
CK COMPANY 12					1	3		21								25
CK COMPANY 13					1	3		20								24
CK COMPANY 14					1	3		17								21
CK COMPANY 15					1	3		17								21
CK COMPANY 16					1	2		17								20
CK COMPANY 17					1	3		18								22
CK COMPANY 18					1	3		17								21
CK COMPANY 19					1	3		17								21
CK COMPANY 20					1	3		17								21
IRE BOAT** 1					1	2		13	3	4						23
CUE SQUAD 1					1	2		13								16
CUE SQUAD 2					1	2		13								16
VICE SQUAD 1								3								3
RCHLIGHT 1 (R)								0								0
RCHLIGMT 2								3								3
ER TOWER 1								3								3
ER TOWER 3 (R)								0								0
COMPRESSOR 1								3								3
VAGE COMPANY 1					1	2		10								13
VAGE COMPANY 2					1	2		10								13
VAGE COMPANY 4					1	2		10								13
PORT COMPANY					1	6	1	38								46
IEF PERSONNEL			1	9	11	45	6	86								158
	1	1	15	45	86	227	58	1277	3	4	1	3	1	27	7	1756

NON-UNIFORM FORCE

E COMMISSIONERS OFFICE	COM 160	SEC 1540	ACC 1654	ACC 1650	SCS 1446	SCT 1426	CT 1424	SS 1452	PPC 1220	SPPC 1222	PHY 2220	WSS 5285	PUMP STATIONS 7205	7334	7333	HYDRANT DEPARTMENT 7230	7323	7338	7514	
E COMMISSIONERS	3	1	1	1		1	1	1	1	1	1									12
IEF'S OFFICE					1	1														2
R. OF FIRE PREV.					1		1													2
R. OF ENGR. & WATER SUPPLY												1	2	7	9	1	1	14	3	38
	3	1	1	1	2	2	2	1	1	1	1	1	2	7	9	1	1	14	3	54

TOTAL 1810

II
ADMINISTRATION

PERSONNEL

Effective July 12, 1970, the work week of the Uniformed Force of the Department was reduced from 51.7 hours to 49.7 hours.

In order to implement the 49.7 Hour Work-Week and to provide the required manpower, the following units were de-activated:

Battalion No. 11
Engine Co.No. 2
Engine Co.No. 9
Engine Co.No. 16
Salvage No. 3

Three Firemen were redeployed from each of the following Truck Companies for Relief Status.

Truck Company Nos. 11, 14, 15, 16, 17, 18, 19, and 20. Also, three Firemen were redeployed from Salvage Co. No. 2 for Relief Status.

The deactivation of companies and redeployment of Firemen provided the following personnel:

		49.7 Hour Week Battalion & Co. Assignment	Relief Status
H-40 Battalion Chief	3	1	2
H-30 Captain	4	0	4
H-20 Lieutenant	9	8	1
H-10 Operator	3	2	1
H-2 Firemen	79*	46	33
	98	57	41

* 52 from Engine Companies, 27 from Truck and Salvage Companies.

II

ADMINISTRATION

PROMOTIONS - UNIFORMED FORCE

The following promotions were made in the various uniformed ranks of the Department during the fiscal year 1970-1971:

Rank	Effective Date
Assistant Chief of Department (C.S. H-50)	
(1) Leonard O. Zechlin	1/4/71
Battalion Chief (C.S. H-40)	
(1) Robert H. Sherratt	7/26/70
(2) Robert E. Rose	11/6/70
(3) Lawrence L. Faris	11/24/70
(4) Ronald McInnis	11/24/70
(5) Joseph A. Sullivan	1/4/71
(6) Andrew J. Brandi	4/1/71
Captain (C.S. H-30)	
(1) Robert E. Toland	7/26/70
(2) Donald G. O'Brien	9/20/70
(3) James H. Harrington	10/24/70
(4) Robert J. Norbus	10/30/70
(5) Patrick J. Murphy	11/3/70
(6) George E. Berthold	11/4/70
(7) William A. Roberts	11/6/70
(8) Jack T. King	11/24/70
(9) Richard E. Greitbarth	11/24/70
(10) Eugene J. Anderson	11/27/70
(11) Albert J. Lambrechts	12/1/70
(12) Louis L. Rinetti	12/16/70
(13) John F. Cotter	1/4/71
(14) Lawrence W. Jones	2/16/71
(15) William E. Brichetto	3/30/71
(16) James H. Neeffe	4/1/71
Lieutenant (C.S. H-20)	
(1) Robert J.W. Burns	7/21/70
(2) Reinhard J. Young	7/26/70
(3) Ralph T. McGill	8/12/70
(4) Joseph F. McCarthy	8/16/70
(5) Julio R. Figueroa	9/20/70
(6) Louis J. Garibaldi	10/24/70
(7) Robert P. Irwin	10/24/70
(8) Edward J. Begley	10/30/70
(9) Frank J. Pagano	10/31/70
(10) Dale Hamilton	11/1/70
(11) Ronald H. Judson	11/3/70
(12) Patrick Connolly	11/4/70
(13) James P. Olson	11/6/70
(14) Frank L. Meyskens	11/24/70
(15) Bernard F. Maguire	11/24/70
(16) Richard A. Leike	11/24/70
(17) George D. Tobin	11/24/70

Lieutenant (C.S. H-20) (Continued)

(18) Peter P. Turdici	11/24/70
(19) Joseph A. Medina	11/27/70
(20) Charles R. Grimm	12/1/70
(21) Eugene Greenwood	12/16/70
(22) Roy H. Wright	1/4/71
(23) Thomas E. J. Sheehan	1/22/71
(24) William Hall, Jr.	2/5/71
(25) Maurice F. McCarthy	2/16/71
(26) William C. Dunn	3/6/71
(27) Michael B. Nolan	3/30/71
(28) Laurence J. Kelly	4/1/71
(29) George J. McCarroll	4/1/71

Chiefs' Operator (C.S. H-10)

(1) William J. Moore, Jr .	7/21/70
(2) Harry L. Conry	8/12/70
(3) Warren Kentzell	10/24/70
(4) William Egan	11/23/70
(5) Arthur W. Kenney, Jr.	1/4/71
(6) Gene J. Bernstein	2/13/71
(7) Paul W. Paulsen	3/14/71
(8) Francis S. Jones	3/19/71
(9) John W. Mitchell	5/7/71
(10) Robert E. McColgan	5/10/71

Inspector - Fire Prevention (C.S. H-4)

(1) Clifford J. Kahn, Jr.	7/1/70
(2) Jack Gustafson	9/14/70

Investigator - Arson (C.S. H-6)

(1) Richard R. Crispen	3/29/71

Pilot - Fireboat (C.S. H-120)

(1) Manuel K. Lehua	1/19/71

PROBATIONARY UNIFORMED APPOINTMENTS

H-2 Firemen
Appointed - July 6, 1970

(1) John J. Fuccinelli
(2) James A. Sullivan
(3) Eugene F. Maher
(4) Francis J. Lowe
(5) Rudolph G. Labrado
(6) William G. Koenig
(7) Richard L. Dunham
(8) James J. Crabtree
(9) Kevin J. Garry
(10) Louis R. Mambretti
(11) Thomas M. Velasquez
(12) Michael J. McKinley
(13) Michael R. Kelly
(14) Jerry D. Nifsud
(15) Charles J. Dowd
(16) Robert F. Childs
(Appointed: 7/29/70)

PROBATIONARY UNIFORMED APPOINTMENTS

H-2 Firemen

Appointed - October 21, 1970

(17) Stephen C. Christensen
(18) Gerald R. Dunn
(19) Karl B. Bastien
(20) Thomas E. Murray
(21) John B. Strange
(22) Dan L. Dobbins
(23) John E. Blake
(24) Joseph F. Pierce
(25) Edward R. Tatarian
(26) John M. Traversaro
(27) Robert T. Roddick
(28) John R. Porter
(29) Hal M. Quinn
(30) Ronald W. Thoris

Appointed - January 13, 1971

(31) Ralph L. Naines
(32) Jerome P. Lucey, Jr.
(33) Michael T. Hennigan
(34) Thomas G. Dunn
(35) Gary E. Thiebaut
(36) Daniel F. Fulmer
(37) Charles G. Lesca
(38) Allan J. Leonard
(39) Robin L. Frosch
(40) Richard A. Cappa
(41) Lawrence J. Platzer
(42) Gary L. Fritsche
(43) Michael V. Fitzgerald
(44) Gary A. Castell
(45) Edward J. Clark
(46) Phillip F. Garcia
(47) Francis D. Kelly
(48) Robert M. Molinari
(49) Leonard J. Venturi
(50) William J. Fosedel

Appointed - March 10, 1971

(51) Frank M. Kunst
(52) Cameron Buckle
(53) John D. Ford
(54) James Kilgariff
(55) Robert C. Cutone
(56) John F. Harrington
(57) Paul E. Butler
(58) William S. Donnie
(59) Ronald E. Trainor
(60) Timothy F. Heffernan
(61) Raymond A. Moreno
(62) Eugene W. Murphy
(63) Thomas L. Peters
(64) Michael W. Salmon
(65) Dennis D. Kubel
(66) Anthony F. Soule

Appointed - May 5, 1971

(67) Richard D. Mize
(68) Richard A. Warner
(69) William A. Sommers
(70) Richard A. Wood
(71) Paul Jones
(72) James G. Niemer
(73) David E. Cofresi
(74) Andrew T. Rudovsky
(75) Louis A. Lituanio
(76) William W. Murphy
(77) John B. Skance
(78) Jerry E. Hansen

Total Appointments - Uniformed Force

Permanent

Assistant Chief	1	Inspector	2
Battalion Chief	6	Investigator	1
Captain	16	Pilot-Fireboat	1
Lieutenant	29	Firemen	78
Chiefs' Operator	10		

ADMINISTRATION

PROBATIONARY UNIFORMED APPOINTMENTS

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Permanent

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Battalion Chief	6	Investigator	1
Captain	16	Pilot-Fireboat	1
Lieutenant	29	Firemen	78
Chiefs' Operator	10		

II
ADMINISTRATION

Civilian Force Appointments

Gerald Wilson	Jr. Stationary Engineer	7/1/70
William Kavanagh	Jr. Stationary Engineer (TLT)	7/3/70
Gilbert G. Bendix	Senior Mechanical Engineer	7/15/70
Maureen E. Hronoff	Payroll and Personnel Clerk (TLT)	11/5/70
Herbert C. Kneis	Utility Plumber	1/4/71
Margaret A. King	Clerk-Typist	1/27/71
Noreen T. Bowler	Clerk-Stenographer (TLT)	1/27/71
Albert A. Chaknova	Utility Plumber	4/1/71
Patrick J. Lee	Jr. Stationary Engineer (TLT)	4/7/71
Daniel Antony	General Laborer (TLT)	4/19/71
Anne Bennett	Principal Clerk Stenographer (TLT)	4/21/71
Wade H. Gunn	Utility Plumber (TLT)	4/22/71

Fire Commission Appointments

Upon approval of His Honor the Mayor, the administrative officers of the Fire Commission remained the same as for Calendar Year 1969:

Frank N. Alioto - President
Rudy Tham - Vice-President
Morris Bernstein - Commissioner

The Fire Commission appointed Keith F. Calden as Chief of Department upon the retirement of former Chief of Department, William F. Murray. Chief of Department Keith F. Calden appointed Clarence G. Rosenstock as Deputy Chief of Department and Joseph P. Daly as Chief, Division of Administration.

The Fire Commission also appointed the Reverend Roland E. Grumm, Pastor of the Saint Paulus Lutheran Church, as Protestant Chaplain to the San Francisco Fire Department.

Uniformed Force Terminations

Rank	Date	Name	Cause
Chief of Department	1/4/71	William F. Murray	Disability
Battalion Chief	8/26/70	Edward H. O'Donnell	Service
	8/28/70	Andrew P. Ahern	Service
	9/4/70	Herbert L. Lohmiller	Disability
	9/4/70	Joseph H. Dyc	Service
	9/12/70	Terence P. McEntee	Service
	2/9/71	John T. Ricketts, Jr.	Service
	5/31/71	Gerald Murphy	Service
Captain	9/10/70	Roger D. Bouyea	Disability
	9/14/70	Leonard B. Holmboe	Disability
	9/14/70	James M. O'Hern	Service
	9/18/70	Gino J. Pera	Disability
	10/20/70	Jesse C. Parks	Disability
	11/1/70	Walter Young	Service
	2/7/71	John B. Thomson	Service
	2/16/71	William Keating	Service

II

ADMINISTRATION

Uniformed Force Terminations

Rank			
	9/17/70	Edward G. Riley	Service
Lieutenant	7/13/70	Francis L. Mullally	Service
	8/12/70	Gerald J. Mahon	Service
	9/2/70	John J. Griffin	Disability
	9/7/70	Leo W. Sutton	Service
	9/13/70	John J. Edwards	Service
	9/14/70	William J. Thomas	Service
	10/1/70	Earl R. Gagnier	Disability
	12/16/70	Robert Tuohey	Disability
	2/14/71	Raymond Nyhan	Death
	3/13/71	Paul T. Stanford	Service
	6/3/71	Clarence Fichel	Disability
Arson Investigator	2/6/71	Fred G. Lucas, Jr.	Service
Chiefs' Operator	9/13/70	John F. Hannion	Service
	2/6/71	Joseph R. Libach	Service
	2/14/71	William J. Smith	Death
	3/10/71	Gilbert N. Ringland	Service
	4/23/71	Arthur A. Nelson	Service
	4/29/71	Arthur C. Huersten	Disability
Firemen	7/8/70	Cyril H. Schaertzer	Service
	7/9/70	Joseph F. Hebel	Termination
	7/16/70	W. Urie Walsh	Disability
	7/20/70	John A. Charcho	Service
	7/23/70	Raymond J. Worrell	Death
	7/28/70	Brian X. Murray	Resigned
	8/2/70	Allen D. Williamson	Service
	8/20/70	Byrd O. Smith	Service
	8/21/70	William Killpack	Service
	8/21/70	John J. Haggerty	Disability
	9/1/70	John E. Wilson	Service
	9/3/70	William Hayes	Disability
	9/4/70	Joseph A. Intersimone	Death
	9/4/70	Charles Obranovich	Service
	9/5/70	William F. Shea	Service
	9/12/70	Thomas F. Walsh	Service
	9/12/70	James B. Dowling	Service
	9/12/70	James McIntyre	Service
	9/12/70	John J. Bogue	Service
	9/17/70	Patrick G. Lewis	Resigned
	9/17/70	James J. Griffin	Service
	9/23/70	Frank C. Haegele	Service
	9/24/70	Frank J. Peirano	Service
	9/24/70	Alvin E. Burke	Service
	9/28/70	Kenneth A. Ahrens	Resigned
	9/29/70	Albert F. Tilton	Service
	9/30/70	Herman R. Rohrs	Service
	10/1/70	Samuel D. Horner	Service
	10/7/70	John A. Skance	Service
	10/7/70	Jack Lachini	Disability
	10/13/70	Walter J. Murphy	Service
	10/25/70	Mervin A. Delmonte	Disability
	10/28/70	Charles A. Downey	Death

Rank	Date	Name	Cause
Firemen (Continued)			
	11/1/70	Robert D. Lynch	Service
	11/15/70	Jack Fitzpatrick	Service
	11/19/70	William H. French	Disability
	12/27/70	Richard Falting	Death
	1/4/71	George J. Pyne	Service
	1/10/71	William A. Johnston	Death
	1/2[illegible]/71	Robert F. Ryan	Death
	2/10/71	Neil Beggs	Disability
	2/27/71	Marshall A. Ruge	Death
	3/1/71	Anthony M. Distefano	Service
	5/7/71	Bert Williams	Death
	5/30/71	Andrew O. Dunne	Service
	5/30/71	Albert Lyrsch	Service

Total Uniformed Force Terminations - 1970 - 1971

Retirements (Service) - - -	38
Retirements (Disability) -	12
Resigned - - -	3
Death - - -	10
Termination - - -	1
Total	64

Disciplinary Action

July 6, 1970

Fireman Jeffrey J. Farber, suspended for a period of one month for violation of Sections 3948, 3923 and 3922 of the Rules and Regulations Personal Appearance, Insubordination and Disobedience.

July 9, 1970

Fireman Joseph Hebel, employment terminated for violation of Sections 3948, 3923 and 3922 of the Rules and Regulations - Personal Appearance, Insubordination and Disobedience.

January 8, 1971

Captain Cecil Russell suspended for a period of one month for violation of Section 3913 of the Rules and Regulations - Use of Intoxicants.

May 16, 1971

Fireman Rolph Eldrup suspended for a period of 10 days for violation of Section 3913 of the Rules and Regulations - Use of Intoxicants.

II
ADMINISTRATION

Meritorious Commendations

On January 19, 1971, the Fire Commission approved the recommendation of the Fire Department Merit Advisory Board for Meritorious Award to the following Department members:

Class "A" Award

Lieutenant Joseph Daggetta
Fireman Donald Tucker

Class "B" Award

Lieutenant William Cochrane
Lieutenant James Graham
Operator Frank Cronzella
Fireman Arthur Kenney
Fireman Roger T. Gross
Fireman J. Keller
Fireman M. Keating
Fireman Timothy Ryan
Fireman Gregory Abell
Fireman Donald Favorita
Fireman Warren Mahon
Fireman Allen Reinstadler
Fireman R. Zerbe
Fireman Charles Grimm
Fireman John Kavloff
Fireman Edward Mitchell
Fireman Jerome Polizzi

Class "C" Award

Lieutenant John Bogue
Lieutenant Ovid Seyler
Lieutenant Jack Smith
Fireman Edward Bordenave
Fireman Victor D'Orazi
Fireman Albert Norton
Fireman Robert Blengino
Fireman Robert Jabs

Class "D" Award

Battalion Chief Eugene Murphy
Captain Michael Collins
Captain Thomas Carroll
Captain F. O'Donnell
Captain George Morris
Lieutenant Charles Lee (Two)
Lieutenant Walter Knutsen
Fireman Kenneth Allen
Fireman J. Burke
Fireman Ronald Judson
Fireman Ronald Cutler
Fireman G. Doherty
Fireman R. Batz
Fireman A. Pierucci
Fireman R. Seyler
Fireman N. Iacchei
Fireman Wayne Knutsen
Fireman R. Russo
Fireman F. Daly
Fireman George Bommerer
Fireman William Carey
Fireman Gerald Grey
Fireman Jack Winkel (Two)
Fireman Joseph Polich
Fireman Peter Brandt
Fireman Michael Collins (Two)
Fireman T. Varga
Fireman L. Ahern
Fireman Edward Gee
Fireman James McDermott
Fireman J. Healy
Fireman L. Bernardi
Fireman Earl Tillman
Fireman Gary Slos
Fireman W. Reynolds
Fireman J. Sullivan

II
ADMINISTRATION

Meritorious Commendations (Continued)

It was also recommended by the Merit Advisory Board and approved by the Fire Commission that the following companies be given a Unit Citation:

Engine Company No. 10
Truck Company No. 7
Truck Company No. 13
Truck Company No. 19
Rescue Company No. 2
Salvage Company No. 4

Two Medals were awarded by the Fire Commission, as follows:

Lieutenant Joseph Baggetta -- Engine Company No. 10
Fireman Donald Tucker -- Salvage Company No. 4

Meritorious Award Justifications:

Class "A" - A voluntary action in relation to the saving of human life under the most adverse conditions and at extreme personal risk.

Class "B" - A voluntary action in relation to the saving of human life under dangerous conditions and at great personal risk.

Class "C" - An action of exceptional character and associated with unusual ability, personal initiative and courage.

Class "D" - 1. Assistant or Battalion Chief's commendation for recognition of Company, Group or Individual performance beyond that normally expected at an emergency situation.

2. Individual or individuals who have been a credit to the Department in their activities on behalf of community affairs.

II
ADMINISTRATION

FISCAL

Budget - Personnel Services:

Under provisions of Section 36.2, City Charter, the salaries of the uniformed force of the Department are authorized by the Board of Supervisors. The salary range is based upon survey and certification by the Civil Service Commission of the highest salary paid firemen and police officers in California Cities of 100,000 or more population.

The required Charter Survey of August, 1970 reported an increment of 4.3% for San Francisco firemen as compared to the 1969-70 salary range. This survey was approved by the Board of Supervisors, effective July 1, 1970. Salaries for employees, other than those of the uniformed force, are governed by salary standardization authorized by specific Charter sections.

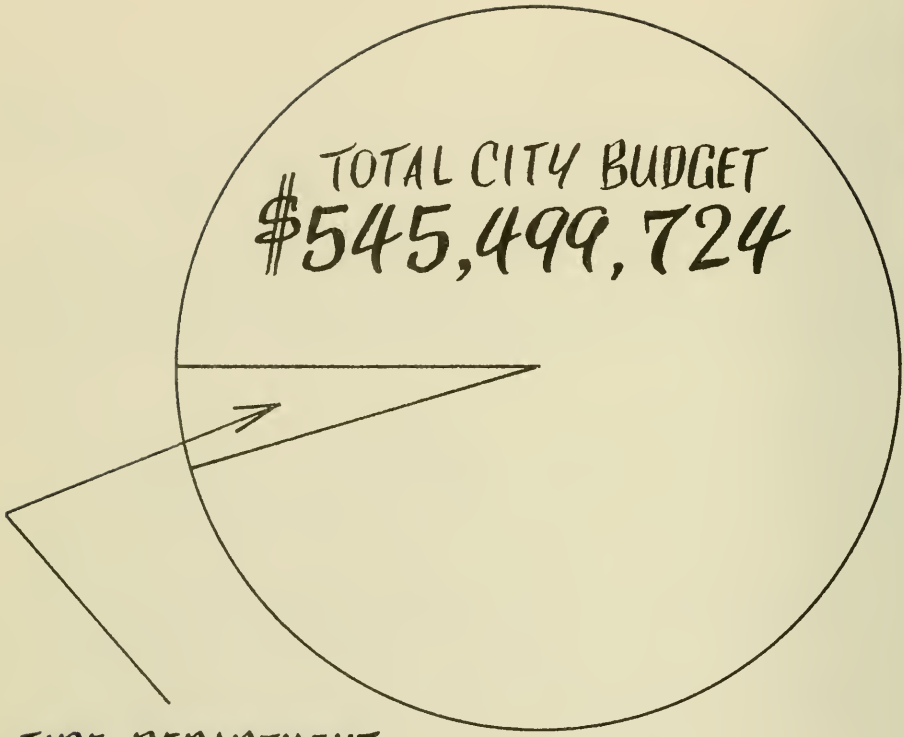
Personnel

1970-71 - Budget Estimate $24,737,561

1970-71 - Budget Expended* $24,713,854

(*) Like Work - Like Pay (Differential Pay-Uniformed Force)

Effective July 1, 1967, it was required by City Ordinance to compensate members of the Fire Department who are required to be temporarily assigned, to the next higher rank than that in which they are permanently assigned for more than one 24-hour shift. This occurs when necessary to assign a member to a higher rank due to there being no permanent relief member of the higher rank available for said assignment. This requirement incurred an expenditure of $15,512.00, for the Fiscal Year 1967-68. In Fiscal Year 1968-69, this requirement required an expenditure of $33,482, of which $15,000 was authorized in budget estimate, $15,000 by supplemental appropriation and $3,482 by use of Department surplus funds. The authorized budget estimate in this category for 1969-70 was $30,000. It was necessary to increase this estimate by supplemental appropriation in the amount of $45,000 and by funds from the Department Permanent Salary surplus in the amount of $12,473, a total expenditure of $87,473.00. The authorized budget allowance for 1970-71 was $45,000. The total expenditures amounted to $38,291, resulting in a surplus of $6,709. The reason for the lower amount was due to legislation passed in August, 1970, whereby permanent appointments are made to officers vacancies as soon as they occur.



FIRE DEPARTMENT BUDGET
$25,692,576

FIRE DEPARTMENT PERCENTAGE OF TOTAL CITY BUDGET
4.71%

II
ADMINISTRATION

Budget - Operating

This budget category represents the fiscal operating expense of the Fire Department:

1970-71 - Budget - Estimate	$786,250
1970-71 - Budget - Expended	$788,754

Item	Estimate 1970-71	Expended 1970-71
Contractual Services	$613,720	$622,631
Local Fares - Airport	500	449
Materials and Supplies	166,774	160,411
Fixed Charges	176	186
Meritorious Awards	5,080	5,077

Budget - Equipment

1970-71 - Budget - Estimate	$169,573
1970-71 - Budget - Expended	$157,016

Budget Recapitulation and Comparison:

Category	Expended	Estimate	Comparison
Personnel Services	$24,713,854	$24,737,561	$(-) 23,707
Contractual Services	622,631	613,720	(+) 8,911
Local Fares — Airport	449	500	(-) 51
Materials & Supplies	160,411	166,774	(-) 6,363
Equipment	157,016	169,573	(-) 12,557
Fixed Charges	186	176	(+) 10
Meritorious Awards	5,077	5,080	(-) 3
Total	$25,659,624	$25,693,384	$(-) 33,760

Department Receipts:

Recorded Department Revenues for the Fiscal Year 1970-71 are reported as follows:

Permit Fees	$ 5,901
Sale of Electricity: (Pumping Station #2 to Fort Mason)	23,738
Damage Recovery and other Revenues	10,422
Photo Copy Service Charges	2,582
Port Commission (Fort Fire Protection & Inspection)	561,090
Salvage Cover Rental	4,059
Total	$607,792

II
ADMINISTRATION

S.F.F.D.
SALARY RANGE

Uniformed Force	July 1, 1970-71
Chief of Department	$2761.00 Per month
Deputy Chief of Department	2323.00
Assistant Chief of Department	1884.00
Battalion Chief	1632.00
Captain	1361.00
Lieutenant	1193.00
Chief's Operator	1117.00
Captain, Bureau of Fire Prev. & Investigation	1538.00
Lieutenant, Bureau of Fire Prev. & Investigation	1358.00
Inspector, Bureau of Fire Prevention	1229.00
Investigator, Bureau of Fire Investigation	1229.00
Pilot & Marine Engineer, Fireboat	1361.00
Fireman - 1st Year	975.00
Fireman - 2nd Year	990.00
Fireman - 3rd Year	1010.00
Fireman - 4th Year	1025.00

Non-Uniformed Force	July 1, 1970-71
Fire Commissioner	$ 100.00 Per Month
Secretary - Fire Commission	595.00 Bi-Weekly
Physician (Part Time)	761.81 Bi-Weekly
Superintendent - Water Supply System	857.00 Bi-Weekly
Foreman - Water Supply System	10.09 Per Hour
Sub-Foreman - Water Supply System	9.65 Per Hour
Chief Stationary Engineer	609.00 Bi-Weekly
Stationary Engineer	5.98 Per Hour
Junior Stationary Engineer	374.00 Bi-Weekly
Utility Plumber	8.77 Per Hour
Laborer	4.94 Per Hour
Accountant	393.00 Bi-Weekly
Principal Accountant	580.00 Bi-Weekly
Clerk-Typist	254.00 Bi-Weekly
Senior Clerk-Typist	324.00 Bi-Weekly
Senior Clerk-Stenographer	332.00 Bi-Weekly
Senior Payroll and Personnel Clerk	316.00 Bi-Weekly
Payroll and Personnel Clerk	273.00 Bi-Weekly
Principal Clerk-Stenographer	366.00 Bi-Weekly

II
ADMINISTRATION

BUREAU OF ASSIGNMENTS AND COMMUNICATIONS

From its location in Jefferson Square, at the Central Fire Alarm Station, the Bureau of Assignments and Communications controls and directs movement of men and equipment for the San Francisco Fire Department on a twenty-four (24) hour basis. Many matters normally handled at Headquarters during working hours are processed at this Bureau when Headquarters is closed.

The functions of the Bureau of Assignments and Communications are divided into four (4) operations as follows:

Dispatch Center

Communications Center

Information Center

Personnel Center

Dispatch Center:

Two Lieutenants, qualified by experience and knowledge of Department policy, are on duty per shift. Their primary function is to receive and filter alarms, evaluate same, dispatch necessary men and equipment, and maintain status of all units of the Department under their control. The Dispatch Center is the heart of the real time control operation. Alarms arrive at the center, decisions are made as to which units are to be sent to the emergency, and proper units are notified to respond. The basic purpose of the Center is to assure timely dispatch of manpower and equipment in response to demand for service. Street Boxes and Telephone Alarms are directed to this Center. These alarms are processed and appropriate field units are notified to respond to the location from which the alarm was received. The complete operation is as follows:

Box Alarm	Telephone Alarm
Identify Box	Determine Location of Incident

"Locate Alarm Assignment Card"

"Determine if New Incident"

"Check Availability of Units"

"Order Signal Transmitted"

"Complete Assignment via Radio Special Call"

"Up-date Status Board"

* * * * * *

If the Alarm is a Street Box, a coded signal is received which identifies the Box. Once the Box has been identified the Fire Department Dispatcher searches the file for the corresponding assignment card. Each Box has an Alarm Assignment Card designating equipment due to respond to that Box. After a check has been made to ascertain that the Alarm represents a new incident, the status is determined of each of the units expected to respond.

Dispatch Center: (Continued)

Units which are "In-Service on the air" are notified by Radio of the Alarm, if due to respond. Unavailable units are replaced by others of the same type on the Assignment Card.

If the Alarm is received by telephone, the Fire Department Dispatcher endeavors to obtain the following information from the caller:

(a) Where is the incident? - (Address)

(b) What is burning?

(c) What are the cross streets nearest the address given? (This is to eliminate confusion of similar sounding street names)

Where suspicious calls are received, an effort to secure the number from which the call originates is made in order to check against the reverse telephone directory for confirmation.

The disposition of responding apparatus is recorded on the Status Board, each unit being represented by a numbered peg. Pegs are placed in holes on one side of the board when the Alarm is struck out - the Box Number is written on the board adjacent to these pegs. As units return from the incident the corresponding pegs are returned to their "In-Service" position on the Board. When all apparatus has returned the Box Number is erased.

Continued use of the "2-1 Signal" (curtailed response to designated Boxes pulled from the street) has again proven successful in our quest to alleviate false alarm experience, Judicious use of this signal, plus cooperation of responding companies with quick and concise reports, has again reduced unnecessary movement of men and apparatus on the public thoroughfares.

During Fiscal Year 1970-71 Signal 2-1 was struck preceding 6565 street boxes. 5686 of these street boxes upon investigation proved to be false alarms. 8588 pieces of equipment were dispatched to these boxes and 25,609 were withheld.

There were 879 2-1 Boxes which proved to be of merit, e.g., auto in street, grass, rubbish, assist citizen, etc., to which 1,327 units were dispatched. These units successfully handled the situation without added assistance.

As a result of this procedure, the following benefits have been derived:

1. Less interference with ordinary traffic flow by a reduction in the number of responding fire apparatus.
2. A reduction in mileage of apparatus responding under emergency conditions resulting in lower maintenance costs.
3. A reduction in the amount of fuel consumed.
4. Less exposure of apparatus to traffic accidents.
5. Less exposure of personnel to injuries while responding to alarms.
6. More manpower and apparatus is available for response to other incidents.

[illegible]

[illegible]

Dispatch Center: (Continued)

Also, there is good reason to believe that the reduction from as many as eight to ten pieces of apparatus to one or two responding to a fire alarm box and the lessening of the attendant noise of sirens and bells have a direct effect on the type of person who uses a false alarm for a thrill or a negative action against the community.

The "Peace Day Demonstration", May 5, 1971 afforded an excellent opportunity to drill with our Civil Defense Operations Plan. This was effected by the striking of the 10-6 Signal - "Civil Disturbance Operations Plan-Preparatory" and the 10-7 Signal "Civil Disturbance Operations Plan - Activation". Two task forces were established, one in the Mission District and the other in Pacific Heights.

Although primarily concerned with fire safety and suppression, calls for assistance by those in need for asphixia, coronary, lock-ins, lock-outs, water leaks, falling objects and a myriad of other emergencies, real or imagined, are ever increasing.

Communications Center:

Radio operators at this Center, under the direction of the Fire Department Dispatchers, assist in the movement of apparatus as required. Companies "In-service on the air" are notified when due to respond to alarms. Frequently, upon orders of the Chief in Charge of the incident, specific instructions concerning direction of approach and placement of apparatus is relayed to responding apparatus.

Calls for assistance of related agencies; ambulance, police, public utilities, etc., from the scene of the emergency are expedited at this Center with confirmation of procurement reported to the requesting unit.

All Department apparatus movement, regardless of nature, is logged at this station. Time, location, nature of incident are tabulated and this information becomes the official fire record of response.

Radio operators conduct daily tests with department mobile and base stations as well as with the State Civil Defense Radio System and the Fire Department Secode System to the San Francisco International Airport. This Center is also responsible for the maintainence and preservation of the five track tape recorder and tapes, which records all emergency traffic in and out of Central Fire Alarm. Required logs of all radio transmissions, Federal, State, and Department are maintained at this station.

Communications Unit #1 responds from this Center and is manned by radio personnel. This unit is equipped with three (3) Department radio sets; one (1) Local Government Radio Set - One (1) State Fire Radio Network Radio Set - Two (2) Handi-talkie portable units - Sanborn Maps - Assignment Cards - Emergency Water Supply information - High Pressure Maps - Department General Orders and all fire report forms utilized by Chief Officers.

During 1970-1971, Communications Unit #1 responded to:

1 - Still Alarm	9 - Fourth Alarms
60 - Second Alarms	1 - Fifth Alarm
35 - Third Alarms	

Total service amounted to: 230 Hours - 32 Minutes
Twice during the year Communications Unit #1 substituted for Radio KMA 526 due to power failure at Central Fire Alarm Station.

Communications Center: (Continued)

The Communications Unit is frequently dispatched for drill purposes in order to familiarize personnel whose duties include contact with it during emergency operations.

Personnel Center:

Officers at this Center of the Bureau of Assignments and Communications are responsible for constantly maintaining department strength by balancing firefighting divisions as necessary to insure proper manning of apparatus. Where vacancies occur under the "Out of Classification Ordinance" officers and firemen are assigned as directed by the Chief of Department.

The administration of the "Like-Work, Like-Pay" ordinance with its chain reaction application, payroll preparation, and bookkeeping accuracy falls under the jurisdiction of this Center.

Personnel cards are maintained at this Center for each department member. On these cards are noted the member's date of appointment, assignments, promotions, vacations, leaves, etc., which disclose a personal history of his Department career. This card also contains the member's age, department qualifications, marital status, blood type, religion, military connection, Social Security Number, and driver's license data.

Vacation allocation continues to be a Herculean task. To prepare vacations the following operations must be accomplished each Fall:

1. Seniority lists must be compiled by rank in order to insure impartiality and keep seniority as the dominant factor in granting vacations.
2. Time Tables of periods of vacations for the ensuing year must be formulated.
3. Applications are delivered to each member to select his choice of period.
4. Applications must be returned and processed.
5. Complete vacation schedule for following year distributed.

To execute

1. As each vacation period approaches, schedules are prepared for individual units, companies, battalions, divisions and bureaus. Under an established quota, members are released from duty who are to go on vacation. Replacement of said members with vacation relief personnel is made when available.

Exchanges of vacations between members, use of accumulated vacation time, Intermittent Day Vacation, and requests to change vacation, as vacancies occur, makes this a continuous operation.

Daily Membership Reports are prepared and forwarded from this Center for each company, bureau, battalion and division, enumerating total personnel on duty and those on vacation, sick or disability leave, military leave, or otherwise not in attendance.

An additional responsibility placed upon the Center this year is that of forecasting manpower requirements on a three day basis. Reports of predicted strength are received from Division Chiefs three days prior to the

Personnel Center: (Continued)

day concerned. After these reports are audited, military leaves, details and sick allowances are introduced. Where the on-duty personnel is predicted to fall below the established tolerance, members eligible to work on their days off must be personally contacted in order to confirm their availability.

Information pertaining to details, water supplies, hazardous cargo, fumigations, relief apparatus, etc., is distributed by teletype from this Center.

Information Center:

This Center maintains information essential to emergency operation in the Fire Fighting Divisions. Particular and significant importance is the extensive amount of material catalogued and indexed for immediate reference such as technical books, pamphlets, manuals, location of special keys, maps, records, tools and other information invaluable to field operations. Sources for identifying thousands of chemical compounds, their expected reaction under fire conditions and recommended methods of extinguishment are of inestimable assistance to field personnel. Even if only the products trade name is known it is more than probable the inquiring Field Officer will receive ample information for guidance in effective fire practices.

Multi-Channel tapes with recorded information of potential importance e.g. Greater Alarms, fatalities and other outstanding events are also preserved at this Center. These tapes are often replayed to substantiate rapidity of Fire Department response. These tapes continuously record on five tracks which document all Radio transmissions on tracks one and two, all telephone conversations with Assignment Officers on tracks three and four, and the time at one minute intervals on track five.

Gauges equipped with audible alarms are maintained at this Center which monitor any unusual discharge from either Jones or Ashbury Tank of the High Pressure System.

Numerous business concerns have forwarded addresses and telephone numbers of key personnel to be notified in emergencies to this Center. This information has worked to mutual advantage, as such employees are familiar with the building's construction and contents and their presence at the scene often assists in fire approach.

During the last fiscal year, the following messages were issued to facilitate Department operations:

Teletype Messages

	1970 Months						1971 Months					
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
No.	421	341	374	410	389	371	326	315	375	424	376	458

Total - 1970-71 - 4580
Monthly Average - 381

General Orders

During the fiscal year 1970-71, 146 General Orders were issued for information, instruction and activation of Department Policy.

Fire Alarm Boxes:

The Department of Electricity had the following total number of Fire Alarm Boxes in-service during the past fiscal year:

Fire Alarm Boxes: (Continued)

Department of Electricity	1988
Pacific Fire Extinguisher Co. (Reichel)	52
Pacific Auxiliary Fire Alarm Co. (Auto Call)	5
Total	2045

Additional Assignment Cards are maintained for the following auxiliary services:

American District Telegraph Co. Locations	393
Pacific Fire Extinguisher Co. (American Burglar Alarm Locations)	109
Burns Electronic Security, Inc.	14
Total	516
Total Fire Alarm Box Assignments -	2561

Related Activities:

The Bureau of Assignments and Communications frequently receives visitors from all parts of the World, Fire Officials as well as Fire Buffs. On these occasions exchanges of information often prove educational to all concerned. Step by step explanations of our methods solicit corresponding information from our guests concerning their respective city Fire Department operations.

Lieutenants detailed from the field, receive instructions in duties pertinent to assignment and apparatus dispatching. Firemen from the Operators' Eligible List are also detailed to this Bureau for training as Communications Headquarters Radio Operators.

The Chief in Charge of the Bureau attends all Department Staff Meetings called by the Chief of Department, as well as frequent conferences with the Deputy Chief of Department, on numerous meetings with the Chief of the Division of Administration, and also maintains close liaison with the Radio Committee. He also responds to Bureau Headquarters while off duty, on all fourth or greater alarms of fire, upon notification, as well as on occasion of any unusual event requiring his attendance.

Summary:

This Bureau is required to expedite all Department matters channeled to it by proper authority. Flexible dispatching techniques, through radio control, play a strong emphasis on the importance of this Bureau in its nerve center complex.

Dissemination of information, with strict adherence to Department policy, has placed this Bureau in the midst of administrative authority and general field operations. The Bureau of Assignments and Communications is motivated not only by intra-bureau goals, but also by the total Department objectives necessary for high standards of performance.

II

ADMINISTRATION

BUREAU OF EQUIPMENT

Personnel

Lieutenant	1
Firemen	8
Total	9

Apparatus Status:

As of June 30, 1971, the following equipment was in service and in reserve in the San Francisco Fire Department.

	In Service	Reserve
1,000 GPM Combination Engine and Hosewagon	0	17
1,000 GPM Triple Combination Pumpers	25	3
1,000 GPM Triple Combination Pumpers (Diesel)	2	0
1,000 GPM Triple Combination Pumpers (Civil Defense)	0	1
1,250 GPM Triple Combination Pumpers	12	0
1,250 GPM Triple Combination Pumpers (Diesel)	5	0
Aerial Ladders -- 100 Foot	15	0
Aerial Ladders -- 92 Foot	1	0
Aerial Ladders -- 85 Foot	2	1
Air Compressor	1	0
Automobiles -- Chief's	15	7
Automobiles -- Staff	31	0
Club Wagon	2	0
City Service Trailer	2	7
Coffee Unit	0	1
Command Unit	1	0
Diesel Fuel Unit	0	1
Fire Boat	1	0
Foam Unit	0	1
Gasoline Fuel Unit	0	1
Hi-Expansion Foam Trailers	0	2
Hosetenders	3	8
Hydrant Trucks	8	0
Hydrant Trucks Valve Units	14	0
Pipe Dolly -- (Civil Defense)	0	1
Pipe Dolly -- Trailer -- (Civil Defense)	0	1
Portable Compressor -- 2-Wheel Trailer	1	0
Rescue Trucks	2	2
Salvage Trucks	3	2
Sand Truck	0	1
Searchlight Engines	1	1
Service Squads	2	0
Tow Truck	1	0
Tractors--Aerial	18	1
Tractors--Aerial-(Diesel)	1	0
Tractors--City Service	1	11
Trucks-Auxiliary Pumpers-- 500 GPM	0	17
Trucks-Delivery	4	0
Trailers-Auxiliary--500 GPM	0	3
Valve Unit	1	0
Water Tank Units	0	2
Water Towers---Large	1	1
Water Towers---Small	0	2
Total	176	95

Apparatus Status: (Continued)

Services Performed by Bureau of Equipment 1970-71

Apparatus repaired in Shops	376	
Apparatus repaired in quarters	2266	
Bureau of Equipment -- Repaired in quarters	540	
Greased in shops	178	
Apparatus tested	42	
Tow jobs	94	
CO2 Refills	376	
Ansul Refills	135	
Flashlight exchanges	284	
Glove exchanges	1276	- Pairs
Goggle exchanges	126	
Assisted Division of Planning and Research	460	
Greater Alarms Responded to	127	
Cisterns serviced	2	
Scott cylinders delivered	182	
Road tests	9	
High Pressure Tests	49	
Oxygen cylinders delivered	110	
Large air cylinders delivered	50	
Portable radios delivered	18	
Miscellaneous	1363	
Type "D" Oxygen cylinders delivered	111	
Pump tests	42	

Hose Complement:

The hose complement of the Department, excluding short utility lengths, soft suctions, hydrant jumper lengths, circulators, multi-versal and house lengths is recorded in the following chart:

S.F.F.D. Hose Complement - June 30, 1971

Age	2-3/4"	1-1/2"	1"
10 Yrs. or less	73.23%	81.6%	72.3%
10 - 15 Yrs.	23.32%	18.4%	22.2%
Over 15 Yrs.	3.45%	0.0%	5.5%
Total Footage	175,350 Ft.	60,950 Ft.	28,590 Ft.

Total Footage in Hose Complement

264,890 Ft.

II
ADMINISTRATION

DISASTER CORPS

The Disaster Corps Section of the Department functions in two separate services, Plant Protection and Fire Reserve. These services are administered by Battalion Chiefs, selected and assigned by the Chief of Department.

Plant Protection Service:

The Plant Protection Service is a unit of the San Francisco Disaster Council and Corps. Its primary duties are to develop within business firms, Hi-Rise Buildings, large area buildings, industrial plants and other directed premises, programs for organizing and training management and other responsible occupants to cope with war-caused and natural disasters.

The Battalion Chief assigned to the Plant Protection Service is responsible for training persons in above mentioned establishments. He serves a dual purpose in on-the-spot training of shelter managers, Radiological monitors, and firefighting forces available within designated buildings within the City of San Francisco. An all-important phase of these duties is the introduction of the new approach in personnel movement, Emergency Communications and Controls and the establishment of Refuge Areas within Hi-Rise Buildings in San Francisco. The Chief, Plant Protection service is assisted by one Fire Department Lieutenant in these functions.

Another facet of Plant Protection, in conjunction with the National Fallout Survey and Marking Program is the inspection and approval of licensed fallout shelters previously designed by government contracting engineers before such shelters are stocked and marked.

Personnel assigned to Plant Protection Service are the prime representatives of this unit relative to contracts with various licensed shelters and are instrumental in obtaining licenses for buildings not previously licensed.

Plant Protection also works in conjunction with U. S. Army in the inspection of Community Shelter supplies.

The following is a breakdown of the principal services performed by the Plant Protection Service during the fiscal year 1970-71:

1.	Shelter visits	224
2.	Number of individuals contacted on shelter visits	407
3.	Talks and Demonstrations in safety and use of First Aid Fire Appliances	87
4.	Number of people trained (Under Item #3)	1410

[illegible]

Plant Protection Service: (Continued)

5.	Examined and replaced Radef Monitoring Kits in shelters.	256
6.	Inspected shelters for stockpiling.	106
7.	Relocation of shelter supplies	45
8.	Operation with Stanford Ressearch Institute re: Pilot Shelter Plan.	
9.	Attended and participated in meeting of Emergency Planning Committee as representative of San Francisco Fire Department.	4
10.	Attended meetings on Evacuation Plans for Hi-Rise Buildings.	6
11.	Number of people contacted re: Emergency Plans and procedures for Hi-Rise Buildings.	350

Fire Reserve:

The Fire Reserve is a unit of the San Francisco Disaster Corps organized to augment the San Francisco Fire Department in times of a natural disaster or hostile military action. It is supervised by a Battalion Chief of the Fire Department.

The members of the Fire Reserve are a group of dedicated citizens whose services are volunteered to the City and County of San Francisco without remuneration. The majority of the top officers of the Reserve have served since the Reserve's inception during World War II.

These men are a group of specially selected and trained citizens. Training exercises are held weekly throughout the year. The Reserve also receives on-the-job training by observing and assisting the San Francisco Fire Department in the extinguishment of multiple alarm fires.

In the event of hostile military action, or of a natural disaster of long duration, the Fire Reserve will be greatly expanded to assist in the safeguarding of the lives and property of all our citizens. The present membership will be the nucleus of any required expansion of this organization.

The mobile equipment of the Reserve consists of seventeen 500 G.P.M. Pumping Engines. Each pumper is equipped with 1,000 feet of 2-3/4" hose and 200 feet of 1-1/2" hose, along with the necessary tools and equipment. These pumpers are designed to pump from fire hydrants and to draft from lakes, ponds, cisterns and the San Francisco Bay.

The Reserve also has available 4,800 feet of six-inch aluminum pipe for use as portable water mains during any emergency. 2,400 feet are on a semi-trailer stored at the Division of Training and 2,400 feet are stored at Engine Company 19. These portable water mains are the property of the Fire and Rescue Division of the California Office of Emergency Services. Should the need arise, additional pipe may be secured from other storage depots throughout the Bay Area.

Fire Reserve: (Continued)

Also available through the State Office of Emergency Services, is one 1,000 G.P.M. Class "A" Pumper, under the jurisdiction of the San Francisco Fire Department. This pumper is available for use by our Department, as well as being on-call by the State for Mutual Aid purposes.

Membership	
June 30, 1971	63
New Members	7
Resignations	20

Activities	
Training Exercises	47
Total Attendance	1103
Man Hours - Training	2259
Pumpers Used - Training	74

Greater Alarms Responded To:	
Total	32
Total Attendance	298
Man Hours of Work	743

PUBLIC INFORMATION AND EDUCATION

The categories following, list only the undertakings completed. The necessary preparation, planning, contacts and releases to all media have been deleted for the sake of brevity.

Awards to Citizens: (In conjunction with F.L.A.M.E.)

To: Tony Tarver, U.S. Postal Employee - Rescue of a would be suicide

Dana W. Bryan, Student - Extinguishment of a kitchen fire.

Albert Vipiana, Real Estate Broker - Rescue of aged fire victim.

Terry Ritz, U.S. Navy - Rescue of aged drowning man.

Bay Area Council on Fire Safety:

Comprised of representatives from fire departments in Alameda County, Contra Costa County, City and County of San Francisco, San Mateo County and Santa Clara County. Coordinated effort to promote Fire Prevention and Public Safety throughout the San Francisco Bay Area by means, both audio and visual, through Public Service Spot announcements.

Television and Radio releases to date:
(a) Hazards of Smoking
(b) Hazards of children with matches, lighters, etc.
(c) Christmas fire safety.

Pending:
(a) Brush fires
(b) Kitchen fires

II
ADMINISTRATION

Public Information and Education (Continued)

Ceremonies: (Uniformed San Francisco Firemen participation)

Memorial Day Massing of Colors, Golden Gate Park Band Concourse.
Flag Day, Elks Club, Golden Gate Park Band Concourse.

Educational Course: (Arranged for S.F.F.D. personnel participation)

San Francisco Police Department course for Investigative Personnel, was attended throughout December 1970 and January 1971 by members of the S.F.F.D., Bureau of Fire Investigation.

Lectures Attended:

Pacific Gas and Electric Co., - Hazards and Protective Features of Appliances.
Pacific Fire Extinguisher Co. - Advanced Fire Protective Devices.
San Mateo Chiefs' Association Seminar, California Militant's Practices.
U.S. Army - 87th EOD Unit - Bomb recognition course.

Lectures presented:

1. Identification of incendiary devices and suggested procedure for security. Also recommendations for disposal and reporting of incendiary devices when discovered.

   To: J.C. Penney Co.
   Emporium (Downtown)
   Woolworths
   S.F.F.D. Chief Officers
   Pacific Telephone Co. Security Agents
   Owens-Illinois Glass Co. Oakland
   Stonestown Merchants Assn.
   Macy's
   Retail Drygoods Assn.
   Burns Detective Agency
   Northwest Area Seminar Fire Safety Technicians
   S.F.F.D. Fire College
   170th Military Police Co. San Francisco Presidio

2. Fire Prevention and Investigation

   S.F. State College, Evening Division.

3. Arson Investigation

   S.F. Police Academy, Cadet Classes
   Fire Safety Technicians, S.F.F.D. Fire College

4. Preparation of Fire Report Forms

   Company Officers, S.F.F.D. Fire College

Liaison:

Where and when necessary with City and Government Agencies.

Public Information and Education (Continued)

Museum: (S.F. Pioneer)

Loans of San Francisco Fire Department memorabilia were made to the following organizations to enhance their feature programs:

Breuners, Serramonte
California Historical Society
Citizens Federal Savings and Loan Assn.
Oakes Child Care Center
I. Magnin Company
S. F. Public Library, Main Branch

The above loans were made under a new system which employs the use of a standardized form. The purpose was two-fold: the memorabilia was protected by insurance and security to prevent the stripping of the S.F.F.D. Display. The loans were limited.

News Release:

All newsworthy items beneficial to the San Francisco Fire Department and its personnel were prepared and dispatched and these articles appeared in the major newspapers and in the San Francisco neighborhood publications.

Wording, as released, was used on numerous radio stations and accompanied the visual presentations on television stations.

Feature columnists were used for vignettes.

Schools:

A great amount of time has been devoted to the correcting of faults in the S. F. Public Schools local alarm systems. In the nine months, from October, 1970 through June, 1971, eighty-nine contacts have been made relative to school deficiencies, and all but ten of these have dealt with the local alarm systems.

All city departments involved have begun to move toward correction. The San Francisco Fire Department's Bureau of Fire Prevention is spearheading the movement by making a complete check of each school's installation during the summer vacation.

Concurrent with faulty local alarm systems is the use of school false alarms to disrupt classes when in session, or to cover acts of malicious mischief. In order to abate this malpractice, a silent system is being devised as a pilot program. If successful, and with funding available, installation of this pilot alarm system will be made in certain schools for evaluation.

Inter-departmental cooperation has been excellent to date.

Special Programs:

Land's End Rescues and Hazards. 11/15/70

Display of Engine Co. No. 36 and Truck Co. No. 14 procedures.
Publication of recorded number of rescues.

Public Information and Education: (Continued)

Special Programs: (Continued)

Christmas Fire Safety Film, KQED - 11/24/70.

Northern California Home Show - Brooks Hall - 12/4/70 through 12/13/70.
Fire Prevention Booth with handout literature.
Demonstrations of resuscitation methods.

Maiden Lane Christmas Fire Safety Program - 12/21/70 and 12/23/70.
Display of San Francisco Fire Department equipment.
Christmas Fire Safety handouts.

KABL Man of the Day - Keith P. Calden, Chief of Department - 1/4/71
Day of appointment to Chief of Department.

1st Annual Fire-Police Touch Football Game - 1/30/71

San Francisco Fire-Police Memorial Mass - 3/7/71
Twenty-fifth Anniversary of the Hotel Herbert Fire.

Everett Junior High School - (Lt. Figueroa and Inspector Dixon) - 3/15/71
Fire Prevention Lecture in Spanish to newly arrived Latinos.

Sacred Heart High School Career Day - 3/30/71
Alumnus explains the benefits of a S.F. Fire Department career.

FLAME, Pony-Bronco Baseball League Opening - 4/24/71
All teams participating

Fire Service Recognition Day - 5/8/71
Fireboat No. 1 with Scuba Team at S.F. Municipal Pier.
Fire College, display of department apparatus and showing of films.
All fire stations - Open House.
S.F.F.D. Pioneer Museum - Open House.

Anatomy of a Fire. California Living, Sunday Section, S.F.Examiner-5/16/71
Featured overall Department action in combatting Pine Convalescent Hospital Fire.

NFPA Convention - (25th Anniversary) 5/17/71 through 5/21/71
Welcoming address by Chief Keith P. Calden
"Arson in Industry" - Panel discussion, Chief Emmet D. Condon
Courtesy Information Booth - Bureau of Fire Prevention.
Emergency transportation for delegates - Bureau of Fire Prevention.
Assistance in Public Relation releases.
S.F. Public Library Display, Science Room, Main Branch.

Stonestown - Youth Summer Safety Program - 6/21/71 through 6/23/71
Bureau of Fire Prevention Booth with handout literature.
Disply of S.F. Fire Department equipment.

Public Information and Education: (Continued)

Special Programs: (Continued)

Fire Prevention and Safety is YOUR business - S.F. Real Estate Review 6/30/71 - Article on Fire Prevention and Safety in one's home.

Television Appearances:

Christmas Fire Safety - KUDO-38 - 12/20/70

Christmas Fire Safety - KGO- 7 - (With Inspector C. Born) - 12/24/70

Fire Prevention and Safety in the Home - "Cablevision" - 6 -- 5/12/71

Tours - S.F.F.D. Facilities:

Various personages of the United States and foreign countries were accompanied through the facilities of the San Francisco Fire Department.

Fire Service Recognition Day

By Congressional action, "Fire Service Recognition Day" is now observed throughout the nation during the month of May. It is dedicated to firemen in the United States who are morally devoted and in their hearts dedicated to the saving of human lives and the protection of the property of the people of our nation, to a degree of devotion, common perhaps to the personnel of no other peacetime agency.

The Honorable Joseph L. Alioto, Mayor, proclaimed Saturday, May 8, 1971, as "Fire Service Recognition Day" in San Francisco. His statements, as included in the Official Proclamation, expressed his appreciation for the San Francisco Firemen's devotion to duty and the knowledge of the many services rendered to the citizens of the City by the members of the Fire Department. He further stated the need for the citizen to gain an appreciation of the degree of this devotion and dedication.

Because the average citizen has little opportunity to observe the facilities, the organizational structure, the operation of his Fire Department, and become familiar with the services and facilities available to him, the following activities were carried out:

The Fireboat "Phoenix" held scheduled water displays in the area adjacent to the San Francisco Municipal Pier, at the foot of Van Ness Avenue. The San Francisco Fire Department Scuba Team, during each scheduled water display, debarked from the Fireboat and simulated their actions in suppressing fires beneath piers.

Fire Service Recognition Day - (Continued)

The newest pieces of fire apparatus were placed on display at the San Francisco Fire Department Division of Training. Also, members of the Division of Training held scheduled showings of two department films, i.e., "The Firefighter" and "Breath of Life". Following the viewing of the films a demonstration in resuscitation was held.

All fire stations were open to the public between the hours of 1000 and 1600 hours. Station members greeted the visiting citizens and stood ready to respond to any requests for information.

The San Francisco Fire Department Pioneer Museum was open to the public between the hours of 1000 and 1600 hours. Department personnel were on hand to explain the various memorabilia on display.

The days scheduled events proved beneficial to both firemen and citizens. Each was afforded the opportunity to express to the other their wishes and thinking concerning the City's fire service.

This year showed an increased response from the public and favorable reaction was evident. An appreciable amount of coverage by the various media was noted.

NATIONAL FIRE PREVENTION WEEK

OCTOBER 4-10, 1970

National Fire Prevention Week, which emphasizes fire safety rules for the general public, was officially proclaimed by the Honorable Joseph L. Alioto, Mayor, of San Francisco, for the week of October 4th to the 10th, 1970.

This program, which is actively sponsored throughout the United States by the National Fire Protection Association and all municipal fire departments, is traditionally held in October to coincide with the anniversary of the Great Chicago Fire that destroyed a large part of that city in 1871.

Fire Prevention Week was originated in 1911 and encourages, through the news media of press, radio and television agencies, together with related fire department programs, public interest in all phases of fire safety.

The Fire Prevention Week Program in San Francisco adheres to the basic pattern outlined above. In addition to the official proclamation issued by the Mayor, it also included the following:

1. Public Display of Fire Department material and equipment in selected department and variety stores.
2. Display of Fire Department apparatus at Civic Center and Stonestown Shopping Mall.
3. A special invitation to the general public to visit the San Francisco Fire Department Pioneer Museum.
4. Distribution of Fire Prevention Material by the officers and men of the Bureau of Fire Prevention and Company stations.
5. An accelerated program of Fire Prevention in city schools.
6. Assignment of Fire Prevention officers and personnel to address various business, civic, fraternal and district community organizations.

II
ADMINISTRATION

The National Fire Protection Association held its 75th Annual Meeting in San Francisco during the period May 17-21, - Chief of Department Keith P. Calden delivered an official welcoming address to the delegates.

Helping to honor the NFPA's Diamond Jubilee were members from six other National Fire Protection Associations (Australian, Dutch, French, Japanese, Norwegian and Swedish) with additional greetings from the President of the United States, the Governor of California, the United Kingdom Fire Protection Association, the Swiss Fire Protection Association and the Danish Fire Protection Association.

Many thought-stimulating sessions were conducted on various fire protection subjects. Uniformed firemen of the S.F.F.D. were invited to attend all sessions. A few of the subjects covered are as follows:

- Aviation Fires
- Electric Code
- Fire Marshal Activities
- Industrial Fire Protection
- Fire Research Activities
- New Fire Equipment and Agents developments
- Railroad Fire Emergencies
- High-Rise Buildings
- Technical Code Practices
- Systems Approach to Fire Protection
- Special Occupancies

Emmet D. Condon, Chief, Division of Fire Prevention and Investigation, in cooperation with Mr. Donald Morris of the American Insurance Association, presented a lecture to the meeting entitled - "Arson in Industry".

A courtesy information booth was manned by personnel of the Division of Fire Prevention and emergency transportation was supplied to the delegates.

San Francisco Fire Department Pioneer Memorial Museum

The San Francisco Fire Department Pioneer Memorial Museum was officially dedicated on October 5, 1964. It is located adjacent to the quarters of Engine Company No. 26 and Truck Company No. 10 - 655 Presidio Avenue, and is open to the public daily from 1300 to 1700 hours.

From July 1, 1970 to June 30, 1971 - 3819 people visited the Museum.

School children from San Francisco and the Bay Area have made regular visits to the Museum in connection with their studies. Other groups that have visited the Museum during the year include:

- Boy Scouts
- Girl Scouts
- Jewish Community Center
- Recreation Centers

representatives from Companies and Corporations, Senior Citizen groups, members from the California Historical Society, and visitors from other states and foreign countries.

The Museum has also been visited by retired members and relatives and information regarding the Museum has been forwarded to various individudals in the United States as requested.

San Francisco Fire Department Pioneer Memorial Museum: (Continued)

Varies companies have been loaned items for display purposes during the year.

Citizens of San Francisco and the Bay Area, retired members, and relatives, have contributed interesting items to the Museum during the year.

Photo Unit No. 1:

A most valuable segment of the Departments Public Relation Program has been the extensive operations of Photo Unit No. 1. Inspector Chester O. Born, San Francisco Fire Department Official Photographer, is recognized locally and throughout the Nation's Fire Services for his photographs and movie film of Fire Department operations. A brief summary of the Photo Units activity is recorded as follows:

Responses:	1969-70	1970-71
Total Alarms Responded To:	810	685
First Alarms	404	347
Second Alarms	106	73
Third Alarms	37	29
Fourth Alarms	5	9
Fifth Alarms	4	1
Still Alarms	254	226
Rescue Operations	142	125
Fire Investigation Bureau	55	58
Fire Prevention Bureau	6	25
Accidents Involving Fire Department Apparatus	24	22
Responses, San Francisco Airport	6	3
Damage to Apparatus, Civil	5	2
Bombings	0	2

Responded with S.F.F.D. to fires in Oakland and Brisbane, California.

S.F.F.D. Photos appeard in the following newspapers:

S. F. Examiner
S. F. Chronicle
Catholic Monitor
S. F. Progress
Board of Education Publication

S.F.F.D. Photos appeared on the following television stations:

KGO
KRON
KPIX
KTVU
KBHK

S.F.F.D. Photos appeared in the following magazines and pamphlets:

Fire Engineering
Western Fire Journal
International Fire Fighter
N.F.P.A. Fire Command Magazine
Calif. State Fireman's Assn.
S.F.F.D. Annual Report

Bayview Federal Savings Pamphlets

Color and Black and White photos were displayed in:

Photo Unit No. 1 - (Continued)

S.F. Main Library
Marine World Fire Prevention Program
Olympic Savings, Parkside Branch
Colonial Savings, Clement Branch
Stonestown Mall
Serramonte Mall
Brooks Hall
KPIX-TV
N.F.P.A. Convention - Hilton Hotel

Fire slide shows and Fire Prevention Lectures were given to the following:

Little Sisters of the Poor
S.F.F.D. Fire Officers Training Classes
Phoenix Society
Chamber of Commerce of San Francisco
Mt. Davidson Lodge, Masonic Order
St. Francis Kiwanis Club
Women in Construction Association-Daly City, Calif.
Engine Company No. 43
St. Finn Barr Father's Club
State Safety Engineers
International Conference Building Officials, Castro Valley, California
Golden Gate Breakfast Club
Nevada State Firemen's Association Convention, Carson City, Nevada
Peddlers' Railroad Club
Lakeport Firemen's Association
Parkside Elementary School, P.T.A.
Downtown Optimist Club
Fire Safety Technicians
Daly City Kiwanis Club
Morning Star School, P.T.A.

Photographs taken for:

Chief of Department
Chief Division of Administration
Bureau of Fire Prevention and Investigation
S.F.F.D. - I.D. Program
Division of Training
Mayor's Office
Bureau of Engineering and Water Supply
National "Miss Fire Prevention" Program
U. S. Coast Guard
U.S.S. Ranger
Alameda Naval Air Station
St. Joseph's Hospital
Pacific Gas and Electric Company
Inauguration - Chief of Department, Keith P. Calden and Deputy Chief Clarence G. Rosenstock
Testimonial Banquet - Retired Chief of Department - William F. Murray
S.F.F.D. FLAME Program

Photo Unit No. 1: (Continued)

S.F.F.D. - Credit Union
Blood Bank
Coroner's Office
San Francisco Police Department
S.F.F.D. Waterfront Detail
American Legion Post No. 97
Lions' Club
Military Order, Purple Heart
Lions'-Kiwanis' and Optimist Club (Richmond District)
Regular Veterans Association
Local No. 798 Fire Fighters Union

Participated in the rescue of a woman at Third Alarm, Box No. 5215 on January 4, 1971.
Received Meritorious Award from American Legion Post #1 for said actions.
Attended Bomb School - Novato, California
Lectured on Public Relations to San Francisco Fire Department, Fire Officers at Division of Training - May 24th to May 28th, 1971.
Taped Fire Prevention Tips for Radio Station KNBR - KCBS
Assisted in filming "Assignment Four" Program - KRON-TV
Appeared on the Jim Dunbar Show - KGO-TV

COMMUNITY RELATIONS BUREAU

The Community Relations Bureau's Programs provide excellent opportunities to meet the public before problems arise and to provide a closer, more sensitive contact with the community. The Bureau's main function is to bridge the gap between the children, parents of the children, community organizations, and the community in general with the Fire Department. This gap has been widened further in recent years with language barriers in certain sections of the City and socio-economic barriers in others. Communication and dialogue between the community and the Fire Department are most important. To this end the Community Relations Bureau has engaged in the following to install a communications mechanism in an attempt to develop this much needed understanding.

Programs:

Fire Safety Technician Program

The Fire Safety Technician Program was implemented through the joint efforts of the Fire Commission, Fire Department Administration, Civil Service Commission, the International Association of Firefighters, Local No. 798, and the Economic Opportunity Council.

The initial proposal was made May 11, 1969. During the months which followed, prior to October, 1969, representatives of these organizations met continuously to reach agreement on all operating procedures that were considered necessary in order to carry out a successful program. After details were agreed upon, a Selection Committee composed of representatives from each organization, the Program Coordinator and Assistant Coordinator, was convened. Applicants certified as meeting the residential, educational, and medical prerequisites were

Community Relations Bureau: (Continued)

referred to the Selection Committee by the Human Resources Development Center. The Selection Committee accepted applicants meeting standards of oral interview. At the first sitting of the Selection Committee, 47 applicants were referred for interview; 15 were accepted.

The Program was funded to accommodate 25 individuals. It was deemed necessary by the participating organizations to hold a second selection period and attempt to fill all available positions. During the second selection period, 13 additional men were referred to the Selection Committee by the Human Resources Development Centers. From these 13 candidates, an additional 8 men were accepted to participate in the Program.

While the second selection process was being carried out, the first group of 15 Fire Safety Technicians began training and development as outlined in the Fire Safety Technician proposal. The first day of work under the guidance of the Fire Department was November 30, 1970. For six weeks, the program was carried on with 15 technicians. Those successful candidates from the second selection process joined the class January 18, 1971, bringing the total number of Fire Safety Technicians to 23.

On February 1, 1971, 23 Fire Safety Technicians began a course of instruction under the direction of two Lieutenants assigned to the Division of Training, designed to familiarize them with the operations of the San Francisco Fire Department.

The daily schedule for the Fire Safety Technicians during the initial phase of the program included Fire Department training from 0800 to 1200 hours, and Basic Education at the Manpower Development Training Act Skill Center from 1300 to 1700 hours. The Course Outline for Fire Department training was created to cover a 12-week period. The completion of this phase of training was signalized by a graduation program held at the Division of Training, April 22, 1971, at which time 23 Fire Safety Technicians received certificates of course completion and notices of appointment to permanent classification of Fire Safety Technician.

On Monday, April 26, the training schedule for the Fire Safety Technicians was modified to include assignments of Technicians to Battalion District for details to companies, Tuesday, Wednesday and Thursday mornings. The purpose of these assignments is to give the Technicians the opportunity to gain first-hand experience of the fireman's routine, with the exception of actual firefighting and life rescue work. On Monday mornings, the Fire Safety Technicians, under the direction of the Assistant Program Coordinator, carry out a schedule of community-oriented activities designed to assist the Community Relations Bureau with a recruitment project and familiarization of the public with the Fire Safety Technician Program.

The basic education program given the Fire Safety Technicians has been successful. This is evident through the progressively higher scores attained by the men in evaluation testing. Having demonstrated their ability to exceed the level of education available at the M.D.T.A. Skill Center in most subjects, one Technician is currently

[illegible]

Community Relations Bureau: (Continued)

enrolled in two courses at the University of San Francisco, another is enrolled at City College of San Francisco in a course of Physics. Six other men are participating in a Public Speaking Class being given at San Francisco City College.

Physical fitness, preparatory to developing ability to perform well in the athletic testing in the promotional examination, is being carried out on a minimum of three periods per week.

On May 18, 1971, one Fire Safety Technician resigned his position, leaving 22 men currently enrolled in the Program.

With the publication of the H-2 Fireman Entrance Examination Scope and the setting of a tentative date for examination, the energies of the Fire Safety Technicians will become sharply focused upon their pending promotional examination, expected to coincide with the Entrance Examination.

School Visitation:

Fire apparatus manned by Fire Department personnel and accompanied by Community Relations Bureau staff visited schools for purpose of apparatus demonstration and informed discussion. It is the intent of this program to expose school children to their neighborhood firemen, the apparatus, and explain the firefighters functions so that it will not be necessary to pull a false alarm to see fire equipment in action.

Recruitment:

Recognizing that the H-2 Fireman entry-level examination will be given in the Fall of 1971, efforts have been made to attract qualified candidates. Human Resources Development Centers, the Veterans Assistance Center and community organizations have been contacted for referrals and recommendations. The Fire Safety Technicians have made area tours on Mondays as part of their Community Relations exposure. To date, more than four hundred names have been obtained from young adults who have indicated an interest in becoming a firefighter. Of this number, 70% can be attributed to the efforts of the Fire Safety Technicians.

A 30-second public service announcement, announcing the up-coming examination, was made by TV Station Channel 44. Copies of this announcement will be given to all other TV stations in the Bay Area.

Meetings:

Attended community organization meetings regularly.

Participated in all Fire Department related meetings of the Civil Service Task Force Committee to devise a relative H-2 Fireman entry level examination.

Attended firefighter organization meetings from the Bay Area to Sacramento to discuss ways of attracting qualified minority candidates for the fire fighting services.

Attended all meetings for development and refinement of the Fire Safety Technician Program, and participated in all meetings of the Selection Committee for selection of candidates to the Program.

II
ADMINISTRATION

FIRE LEAGUE ATHLETIC AND MUSICAL EVENTS (F.L.A.M.E.)

During fiscal year 1970-71 this organization was sponsored by the San Francisco Fire Department and its members as a means to keep children between the ages of 8 to 16 involved in various sports, such as baseball, softball, basketball and water safety programs.

In our second year of F.L.A.M.E. operations, 1450 boys and girls have participated in our programs. Thanks and appreciation are extended to the members of the Fire Department for their support of the F.L.A.M.E. program and to those members who have served as coaches and instructors.

The F.L.A.M.E. program also extends its thanks to the department Photo Unit for its many endeavors in behalf of the program.

During the fiscal year, July 1, 1970 through June 30, 1971, the various sports activities are listed as they occurred.

The F.L.A.M.E. Softball League started competition in early September and ended the last week in November. There were two age groups:

Junior Division - Ages: 8 through 10 years
Senior Division - Ages: 11 through 13 years

160 boys participated
Trophies and medals were awarded

F.L.A.M.E. Basketball was our next project. There were teams from 10 schools involved, which were made up from the 4th through 8th grade levels, for a total of 50 teams. Each team consisted of 15 boys, for a total of 750 boys participating. The F.L.A.M.E. Basketball League started competition in December, 1970, and ended in March, 1971. Trophies were given to 1st and 2nd place teams, as well as the All-Star Teams. Medals were given to the balance of participants.

The program is presently involved in a summer youth F.L.A.M.E. basketball program in seven schools with teams from the 2nd through the 4th grade levels. There are 230 boys (ages 7 through 10 years) who have signed to play. The 1st game started June 28th and will continue to the middle of August.

F.L.A.M.E. Bronco-Pony Baseball was our next project. There are 28 teams involved with over 440 boys playing in this league. There are two Divisions of the Bronco and Pony Teams:

Bronco - 11 to 12 years

Pony - 13 to 14 years

The League was officially opened on April 24, 1971 with Mayor Joseph L. Alioto, throwing out the "First Ball" to Chief of Department Keith P. Calden. This was given full TV coverage, also radio and news media. Upon League completion there will be four All-Star Teams that will participate in tournament play. These teams will be known as San Francisco F.L.A.M.E. Bronco and San Francisco F.L.A.M.E. Pony. The ultimate World Series winners play the Bronco Division in Camarillo, California, and the Pony Division in Washington, Pennsylvania during the month of August. Tournament play starts July 28, 1971.

F.L.A.M.E. (Continued)

Girls Underwater Skin Diving - this class started April 13, 1971 at North Beach Swimming Pool and lasted for six weeks under the instruction of a Fire Department Skin Diving expert. This course involves 12-hours of special instruction with use of snorkel equipment. Upon completion, participant will receive a certificate. There were 8 girls enrolled in this class - ages 11 through 14 years.

During this fiscal year there were four round-trip air flights sponsored by two air lines. Three round-trip air flights to San Diego through courtesy of P.S.A., and one to Disneyland was courtesy of Air-California. There were 10 boys selected for each flight with one adult from the coaching staff.

F.L.A.M.E. sponsored a day for the boys at the San Diego Zoo, as well as Disneyland.

A meritorious award officially designed as the "San Francisco Fire Department Valor Award" also was established for recognition. This involved Fire Department operations in which a youth was saved from serious injury or fatality by an adult, or in which a youth was involved in a similar incident involving an adult or another youth. During fiscal year 1970-71, this award was presented to one youth and to three adults. F.L.A.M.E. also established a "Special Recognition Award" for outstanding work on behalf of the Department. This particular award was issued to one person during 1970-71.

During the fiscal year 1970-71, the operation of F.L.A.M.E. was financed from funds contributed by over 1050 firefighters, also through Life Circulation, Inc., of Life Magazine, as well as friends of F.L.A.M.E. and the Fire Department.

COMMITTEE REPORTS

Advisory Board

The Advisory Board, in its fifteenth year of existence, has continued to be the vehicle to convey valuable suggestions from the field to the Chief of Department. Minutes of each monthly meeting are distributed Department-wide.

Ideas and suggestions born of thorough training and practical fire fighting experience are forwarded for documentation and evaluation.

This year, the Advisory Board has been streamlined by reducing the total membership to 13, consisting of 1 Assistant Chief, 2 Battalion Chiefs, 2 Captains, 2 Lieutenants and 6 Firemen. The Chairman is selected from the rank of Battalion Chief and the Secretary is chosen from the rank of Fireman.

Appointments to the Advisory Board are now made on a rotating basis. Other than the Assistant Chief, one-half of the Board is appointed in January and one-half of the Board is appointed in July, assuring continuity and effectiveness of future Advisory Boards. The Chairman and

Advisory Board: (Continued)

Secretary are appointed from the group serving their last six months on the Board.

During the past fiscal year the Advisory Board has received 68 suggestions:

30 were accepted
10 were rejected
14 are still pending decision
4 were tabled
5 were referred to other Bureaus
5 are still being evaluated by the Board

Many suggestions received reflect the ever increasing technology in the fire fighting service. Excessive pressures in standpipes of High Rise Buildings are a notable problem. Other items of interest are problems of ship and computer room CO2 systems.

In receiving these suggestions, which often mirror problems encountered in the field, the Department as a whole benefits by the flow of this information to the proper levels for evaluation.

Educational Committee:

The Fire Science Technology Program conducted at City College of San Francisco, now known as San Francisco Community College, has completed its most successful year of operation.

The Pre-Employment Program offers a two-year Associate in Science Degree, culminating in a Major in Fire Science and a Certificate of Proficiency that is awarded if the student maintains not less than a "C" average in his studies at City College. This means that to graduate, the student must achieve at least a 2.00 grade point average in the minimum of 60 units necessary to complete the full program. The student must achieve 20 units in his elected major (in this case Fire Science Technology), plus satisfactory grades in his requisite courses which include English, Mathematics, History, or Political Science. The latter three can be fulfilled in the entrance tests, or be completed during his time as a student at the College.

As 60 units are required, in order to graduate, optional subjects are available for the students selection. However, the college requisites must be met for completion of the program and graduation.

The Pre-Employment student is made fully aware of the needs of local Fire Departments and their requirements as to age, education and other qualifications essential to employment.

As a Community College, all Pre-Employment students are encouraged to apply for, and to take Entrance Examinations for all Fire Departments, either Municipal or Private for which they can qualify. For those who might not meet the requisites, due to physical impairment, fire affiliated organizations such as Fire Apparatus Sales Organizations, Fire and Police Alarm Companies, Equipment Vendors, Insurance Companies, BART, etc., are recommended.

II
ADMINISTRATION

In addition, we are happy to report that if proper negotiations are realized, a program in Upper Division Education will be achieved for the first time in Northern California. That is, a person with an Associate in Science degree will be able to continue in his studies at San Francisco State College and may achieve a Bachelor in Science Degree in Industrial Arts or Science, whichever best indicates his graduate capabilities.

The following outlines are included in this report to show what is involved in a semester program.

Day Program - Fall Semester - 1970

Subject	Class Hours	Units	Students
50-Introduction to Fire Protection	3	3	35
51-Introduction to Fire Suppression	3	3	31
54-Introduction to Fire Science-(Math.)	3	3	33
60-Fire Apparatus and Equipment	3	3	24
62-Rescue Practices	3	3	38
64a-Hazardous Chemicals)			11
64b-Hazardous Chemicals-(801 Lab.))	6	4	11
65-Fire Hydraulics	3	3	14
66-Building Const. for Fire Protection	3	3	27
Totals	27	25	225

Evening Program - Fall Semester - 1970

Subject:			
52-Fire Protection Equipment and Systems	3	3)	
52-Fire Protection Equipment and Systems	3	3)	33
201-Supervisory Practices	3	3)	
201-Supervisory Practices	3	3)	76
Totals	12	12	109

The Grand Total of students attending both day and evening classes is 334.

The following is a recapitulation of the Spring Semester, 1971 also shown is outline form.

Day Program - Spring - 1971

Subject:			
50-Introduction to Fire Protection	3	3	34
21-Introduction to Fire Suppression	3	3	32
52-Fire Protection Equipment and Systems	3	3	34
54-Introduction to Fire Science-(Math.)	3	3	17
61-Fundamentals of Fire Prevention	3	3	45
63-Related Codes and Ordinance	3	3	27
64a-Hazardous Chemicals)			
64b-Hazardous Chemicals-(801 Lab.))	6	4	34
65-Fire Hydraulics	3	3	17
Totals	27	25	240

II
ADMINISTRATION

Evening Program - Spring - 1971

Subject:	Class Hours	Units	Students
G-12 Advanced Communications-(Speech)	3	3	25
56-Fire Fighting Tactics and Strategy	3	3)	
56-Fire Fighting Tactics and Strategy	3	3)	89
Totals	9	9	114

A Grand Total of 354 students were enrolled in both the day and evening classes of Spring Semester - 1971 at City College of San Francisco.

In order to professionalize the Fire Service and to create a vital incentive to achieve promotional status, Chief of Department, Keith P. Calden has instituted a program whereby officers aspiring to the ranks of Battalion Chief and Assistant Chief shall provide academic proof of having successfully participated in a Public Speaking class with a passing grade of "C" or a 2.00 grade point average.

A recent tally was conducted in order that this report would show, in review, the attendance from Spring - 1968 through June of 1971.

Semester		Day Attendance	Evening Attendance
Spring	1968	220	63
Fall	1968	206	80
Spring	1969	189	30
Fall	1969	229	76
Spring	1970	182	96
Fall	1970	224	109
Spring	1971	240	114
	Totals	1490	568

Grand Total of Day and Evening Students through the indicated Semesters is 2,058.

In any program involving inter-department participation, there are always persons who contribute greatly towards making the individual semesters' work interesting and informative. Fire Department instructors during the year were Battalion Chief Joseph Sullivan, Disaster Corps; Captain Alexander Potter, Coordinator of the Program; Captain George Morris, Salvage Corps 1; and Captain Edward M. O'Donnell, Rescue Squad No. 2.

Mr. Martin Kilgariff, a former member of the San Francisco Fire Department, is now a faculty member at City College and has been permanently assigned to the Fire Science Technology Program. Using his experiences as a former Fireman, he does an excellent job in instruction and preparation of courses.

Mr. Eugene Roberts continues with the program and instructs Physical Sciences. His classes are with the Pre-Employment group and he is a most capable instructor.

Mr. James Carson instructed our Evening Division personnel in "20 Supervisory Practices" and this proved to be a most interesting class with the result that several members continued on in the advanced class the next semester.

II
ADMINISTRATION

Dr. Louis Batmale has been advanced to Superintendent of the San Francisco Community College System, which now includes all of the Adult Division Programs. In his place at City College, we are most fortunate in having Dr. Harry Buttimer who is now an Assistant Superintendent in the Community College Division.

The Fire Science Technology Advisory Board met with Dr. Buttimer, Dean Jack Aldridge, and the Fire Science Technology Staff twice during the past year. The aims of the Programs were discussed and excellent support is assured the Program.

In summation, it is our desire to thank Dean Jack Aldridge, who is our advisor and represents City College in our program. Dean Aldridge has been most helpful and it is hoped that he will remain with the program as his efforts have made it possible for us to achieve most of our objectives,

Again, we wish to thank all of the staff personnel at City College for their assistance for making it possible for us to build this program into a most successful one.

Miscellaneous

During the fiscal year 1970-71, 105 letters of commendation were received in the office of the Chief of Department relative to Department action at various emergencies. These commendations were all recorded through the office of the Fire Commission and copies were distributed to responding units involved.

Contributions to the amount of $1,303.00 were also received at the office of the Chief of Department for deposit to the Widows' and Orphans Aid Association of the Fire Department. These contributions were also duly recorded through the office of the Fire Commission and were given to the Secretary-Treasurer of the Association for deposit and recordation.

Safety Committee:

1. Injuries:

   The total number of injuries for the Fiscal Year 1970-71 was 612, a decrease of 86 from the previous Fiscal Year.

Temporary Disabilities - - - - -	609
Deaths (On Duty) - - - - - - - -	3
	612

2. Vehicular Accidents:

   San Francisco Fire Department Vehicles were involved in 130 accidents in the 1970-71 Fiscal Year. This is a decrease of 15 from the last Fiscal Year.
   From a safety standpoint, Intersection Collisions are the greatest concern. Most of these accidents occur when apparatus is proceeding through "STOP" and "GO" Signals or "ARTERIAL STOP SIGNS".

3. Miscellaneous:

   (a) The Safety Committee attended the California Safety Congress at the Jack Tar Hotel.

Committee Reports: (Continued)

Safety Committee:

3. Miscellaneous: (Continued)

(b) Investigation was conducted regarding use of Air Horns on Apparatus.

(c) Statistics on injuries were submitted to various Fire Department Unions and Research Divisions.

(d) Experimentation was conducted with new type goggles called "Fog-Ban".

(e) Shoe specifications were submitted to Chief of Department as recommended by the Safety Committee.

Radio Committee:

The budget appropriation for radio equipment for the fiscal year 1970-71 was sufficient for the purchase of twenty-five (25) mobile radios.

RCA (Radio Corporation of America) was successful in its bid for this equipment.

These radios have been, or are now being installed, in apparatus and vehicles of the San Francisco Fire Department.

Meetings and discussions were held with the Radio Division of the Department of Electricity throughout the year to keep abreast of the new developments in radio communications which would be helpful to the Fire Department in its operations.

Physical Fitness Program:

A Physical Fitness and Weight Control Program was implemented on June 30, 1971.

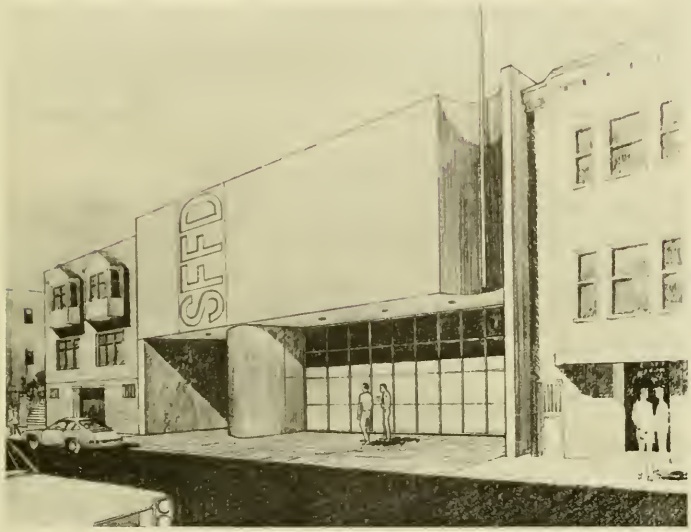
After considerable research and consultation with various authorities Fireman John Drocco, staff member of the Community Relations Bureau, prepared a Manual of recommended exercises and a weight and diet control program.

All members of the Uniformed Force entering the Department on, or after, July 1, 1971, are required to meet certain weight and physical fitness standards while they are members of the Department. After January 1, 1973, the requirements of the Program will be mandatory for all members of the Department.

Exception: When a member reaches fifty (50) years of age, exercise will be voluntary but weight control will be required.

Any waiver of the set standards must be approved by the Department Physician.

SPECIAL SERVICES



PLANNING AND RESEARCH
(Formerly Special Services)

The Division of Planning and Research has responsibility for administering the program of Fire Station construction; land acquisition therefor; disposal of surplus real property; repairs to, and maintainance of all Department properties; budgeting and scheduling for, and inventory of all departmental furniture; development of the Department's Capital Improvements Program; administration over the Auxiliary Water Supply System through the Bureau of Engineering and Water Supply; preparation of Bond Issue Programs; control over installation and relocation of fire hydrants; acts as Departmental consultant with developers of housing units concerning water supply for fire fighting requirements; represents the Department at meetings of the Board of Supervisors in matters concerning street vacations, street closings, and allied subjects; is the Department representative on the Inter-departmental Staff Committee on Traffic and Transportation; and works on special projects and staff studies as directed by the Chief of Department.

Firehouse Construction

Under the 1964 Bond Issue for fire station construction, the following stations have been reconstructed or rebuilt:

Headquarters	260 Golden Gate Avenue	$1,115,000
Engine Co. 7	80 Digby Street	310,000
Engine Co. 17	416 Jessie Street	409,543
Engine Co. 28	1814 Stockton Street	256,000
Engine Co. 43	720 Moscow Street	358,224
Engine Co. 46	441 - 12th Avenue	62,494

The reconstruction program was held in abeyance during the first part of 1970 in order to study the recommendations of the consulting firm of Gage-Babcock & Associates relative to the number and location of the City's fire stations. The remaining authorized allocations for reconstruction of various stations under the 1964 Bond Issue are:

Engine Co. 3	$ 384,700
Engine Co. 8	314,600
Engine Co. 16	278,300
Engine Co. 33	355,500
Engine Co. 36	351,000
Engine Co. 37	399,100

The plans for Engine Company No. 36, 551 - 26th Avenue, have been approved, and the architect expects the project to go out for bid about August 1, 1971. The adjacent property on the south side of the present station has been acquired in order to give sufficient area to accommodate the two companies stationed therein.

During March, a transfer of jurisdiction over the property at 2245 Jerrold Avenue, used by the Fire Department as a pipe storage yard, was effected, transferring the property from the Department of Public Works to the Fire Department in order to erect new quarters for Engine Co. 37 and Truck Co. 9. An agreement has been entered into an architectural firm and preliminary plans will be presented by the middle of September.

PLANNING AND RESEARCH
SPECIAL SERVICES

Planning and Research (Continued)

A new site has been selected for the reconstruction of Engine Co. 33 at the end of Capitol Avenue south of Sagamore Street. A reconstruction program is being formulated at the time of this report and will go to the City Architect in the month of July.

A survey is presently being conducted for a site for reconstruction of Engine Co. 48 (Engine Co. 16 in the Bond Issue).

OTHER FIREHOUSE CONSTRUCTION

The southeast corner of Sansome and Washington Streets is the selected site for the reconstruction of Engine Co. 1 and Truck Co. 13 when they are required to vacate for the development of the Embarcadero Center Project. The cost of relocation is to be borne entirely by the Embarcadero Center.

MAINTAINANCE AND REPAIR
DEPARTMENT BUILDINGS
CAPITAL IMPROVEMENTS

The costs for maintenance and repair of department buildings is programmed in the Annual Budget of the Department of Public Works. Requests for these services are processed by the Division of Planning and Research for referral to the Bureau of Building Repair of the Department of Public Works, or other agencies.

During the fiscal year covered by this report, 1189 such requests were handled by this Division.

Capital Improvements to department buildings are developed under a six-year program in coordination with the Department of City Planning. It is through this program that we effect such non-budgeted improvements as enlargements to facilities, alterations to buildings, security provisions, traffic signal pre-empt controls, radio controlled apparatus doors, and items of a like nature.

PROPOSED BOND ISSUE FOR NOVEMBER ELECTION

Under the direction of the Chief of Department, the Division of Planning and Research has prepared legislation to present a Bond Issue to the electorate at the November, 1971, election. This proposal is a revision of the June, 1970, Bond Issue which narrowly failed to secure the necessary two-thirds approval.

The current proposal calls for improvements to the water supply systems, principally in line with the recommendations of the American Insurance Association in their 1965 Survey of the Citys' fire defenses, which will erase points of deficiency ascribed to the water supply systems. Bolstering of the High Pressure System in the Redevelopment areas of the Western Addition, and provision of High Pressure coverage of the India Basin Redevelopment Project are part of the proposal.

Included are costs to improve the status of the fire-fighting apparatus; this will provide, among other items: 10 Triple Combination Pumpers, 5 Aerial Ladder Trucks, an additional Fire Boat, Tractors, "Squrts", and miscellaneous automotive equipment.

Planning and Research (Continued)

Proposed, for the first time, in this Bond Issue, is the up-dating of the alarm, dispatch, and control systems. A program has been developed by the Command and Control Committee which was formed solely for this purpose. This program calls for the installation of electronic data equipment at Central Fire Alarm Station to receive, process, dispatch alarms, and maintain centralized control over all units in the department. The sole status board will be the one at the Central Fire Alarm Station, which will be integrated with the selection unit electronically. Several 'back-up' systems are provided in the event of equipment failure.

BUREAU OF ENGINEERING AND WATER SUPPLY

This Bureau, under the control and direction of a Senior Mechanical Engineer, is responsible for the maintainance, operation, repair, and planning in connection with the Auxiliary Water Supply System (also known as the High Pressure System), a completely independent system of water impounds, mains and hydrants for fire suppression purposes only. Areas of responsibility for the Bureau of Engineering and Water Supply include:

1. The Auxiliary Water Supply System, which includes: the Twin Peaks Reservoir, the Ashbury Storage Tank and Valve House, the Jones Street Storage Tank and Valve House. 114 miles of mains and gate valves, and the 1382 high pressure hydrants. This system supplies fresh water into the AWSS mains normally supplied from the domestic water system. Also a part of the AWSS are the two pumping stations, located at 2nd and Townsend Streets, and at the foot of Van Ness Avenue, which are designed to draft from the limitless waters of San Francisco Bay and to pump into the High Pressure mains in the event that augmentation of supply is required.

2. Maintainance of the low pressure hydrants which are connected to the domestic water supply mains. During this fiscal year, 24 low pressure hydrants were installed, 13 were permanently removed, and 62 were relocated. There are now 7715 low pressure hydrants in service.

3. Inspection and maintainance of the 150 cisterns located throughout the City. These emergency supplies of water normally contain 75,000 gallons of fresh water; they are kept supplied by hose line from the nearest hydrant when replenishment is required.

4. Dry standpipes installed on buildings are tested by the Bureau before acceptance, and they are periodically serviced by the Bureau.

5 Inspection of, and engineering supervision over the engines and pumps of the Fireboat "Phoenix", including the annual dry-docking repairs.

6. Review of all engineering data and plans prepared by the City Engineers' Office relative to facilities under the supervision of the Bureau.

Planning and Research (Continued)

7. Acts as engineering consultant for the Department on assigned projects.

During the past several years, and continuing, Bay Area Rapid Transit construction activities have necessitated shut-downs and temporary removals of various sections of the AWSS mains along the BART route for varying periods of time. The Bureau, acting through the Transit Task Force of the City, coordinated these activities and made arrangements for the provision of temporary, above-ground, mains with hydrant valves to insure continuity of water supply for fire fighting purposes in the affected areas.

The Bureau has originated a system of hydrant recording and information retrieval through the City's electronic data processing facilities.

FIRE PREVENTION AND INVESTIGATION

IV
DIVISION OF FIRE PREVENTION AND INVESTIGATION

Bureau of Fire Prevention:

The Bureau of Fire Prevention consists of a Chief of the Division of Fire Prevention and Investigation, a Captain, three Lieutenants and 27 Fire Inspectors. From this overall number, one Lieutenant is detailed as Port Commission Fire Marshal. Three Inspectors are detailed to the Bureau of Building Inspection, in compliance with Charter requirements, one Inspector is assigned to the F.A.C.E. Program of Urban Renewal, and one Inspector is detailed to the Division of Administration and assigned to the Photo Unit.

The Assistant Chief, in charge of the Division of Fire Prevention and Investigation, has general supervision over both the Bureau of Fire Prevention and the Bureau of Fire Investigation. He is responsible to the Chief of Department for the administration of the Division and submits a monthly statistical report to the Commission and the Chief of Department as required by the Rules and Regulations.

The Captain is charged with supervising the Lieutenants, Inspectors and the general office personnel employed by the Department. He also represents the Department at the Board of Permit Appeals and other required Board and Commission meetings, in addition to his regular supervisory duties.

The Lieutenants supervise and instruct Inspectors in matters pertaining to their various duties, examine and approve daily work reports, as well as Building Permit Reports referred to the Bureau of Fire Prevention for review, and approval, from the Bureau of Building Inspection. The Lieutenants also assist Inspectors in inspection problems, enforcement of codes, plan checking and in reviewing building specifications.

The Inspectors daily work routine consists of inspections necessary for fire clearance and accreditation by the State Fire Marshal in schools, hospitals, nursing homes, homes for the aged and mental hygiene facilities. Permits or licenses are investigated for fire clearance for other City Departments, which include the Police Department, Department of Public Works, Department of Public Health and the Department of Social Services.

All complaints received regarding hazardous situations are investigated and, if found to be legitimate, are processed for abatement. Reports from Battalion Chiefs concerning buildings in their respective districts are investigated, and code violations and hazardous situations are corrected whenever possible. Routine inspections of most occupancies are made to check for hazardous conditions, code violations, maintenance of fire protection facilities, familiarization with the premises, compliance with permit regulations, in the interest of public relations and public safety. Inspection total for the Fiscal Year 1970-1971 was - 23,622.

Forty-seven different permits to operate businesses or to use hazardous material are issued by the Fire Department and are investigated by District Inspectors. Most Fire Department permits issued, as well as any other approved fire clearance, are effective for one year and require reinspection of the premises at least once annually.

Inspectors investigate all permit applications regarding the storage, sale and use of flammable liquids, service stations, liquefied petroleum gases, fireworks, gunpowder or explosives and other hazardous occupancies. Inspectors are assigned to office work and permit procedure on a rotation basis to enable them to be familiar with all phases of the operation of the Bureau.

IV
FIRE PREVENTION AND INVESTIGATION

BUREAU OF FIRE PREVENTION

The operations of the Bureau of Fire Prevention for the Fiscal Year 1970-1971 are reported in statistical form as follows:

Inspections and Corrections:

The number of Individual Occupancies Inspected, Total Inspections made and the Number of Corrections Obtained during the Fiscal Year 1970-1971 were as follows:

Total number of Individual Occupancies - - - - - - - - - -	10,532
Total number of Inspections Made - - - - - - - - - - - - -	23,622
Total number of Corrections Obtained - - - - - - - - - - -	8,038

Of the total number of Inspections listed above, 1,012 were Special Complaints from citizens regarding suspected fire hazards, and 139 were Special Investigations of structures involved in Greater Alarms of Fire during the Fiscal Year.

Permit Processing:

Fire Department Permits:

Automobile Parking Stations - - - - - - - - - - - - - - -	51
Burning, Removal of Paint - - - - - - - - - - - - - - - -	15
Explosives, To Receive - - - - - - - - - - - - - - - - - -	3
Fireworks, Conduct Public Display - - - - - - - - - - - -	1
Fireworks, Transportation of - - - - - - - - - - - - - -	2
Flammable Finishes, Application of - - - - - - - - - - -	3
Flammable Liquids, Other, Above ground - - - - - - - - -	8
Flammable Liquids, Underground Tanks - - - - - - - - - -	131
Flammable Liquids, Replacement of Dispenser - - - - - -	54
Garage, Automobile Sales - - - - - - - - - - - - - - - -	18
Garage, Commercial & Truck - - - - - - - - - - - - - - -	14
Garage, Public Repair - - - - - - - - - - - - - - - - - -	45
Garage, Public Storage - - - - - - - - - - - - - - - - -	17
Garage, Automobile Repairing-Special Branch - - - - - -	23
Liquefied Petroleum Gases - - - - - - - - - - - - - - - -	10
Motion Picture Theatre - - - - - - - - - - - - - - - - -	14
Public Assembly -	11
Service Stations -	63
Theatre -	1
Vending and Standing Space - - - - - - - - - - - - - - -	1
Welding and Cutting - - - - - - - - - - - - - - - - - - -	11

Building Permits:

During the Fiscal Year, the Inspectors of the Bureau of Fire Prevention assigned to the Bureau of Building Inspection processed and passed upon all Building Permit applications and plans which had been submitted to the Central Permit Bureau.

Occupancy Permits:

Investigations were made and reports forwarded recommending approval of disapproval of fire clearance of applications for permits and licenses as were received from the following Departments or Agencies:

Occupancy Permits: (Continued)

(1) Central Permit Bureau (Department of Public Works):

Building Occupancy Permits (Permanent)	51
Building Occupancy Permits (Temporary)	61

(2) Department of Public Health:

Bakeries	4
Boarding Home	2
Caterer	1
Candy Manufacturer	4
Delicatessen	3
Food Preparation and Service	28
Grocery	8
Hospital	1
Laundries	42
Night Clubs	10
Pet Shops and Hospitals	5
Restaurants	165
Stable	1
Tavern	2
Warehouse	7

(3) Department of Social Services:

Homes for Aged	213
Homes for Children	288

(4) Police Department:

Cabaret	33
Circus	1
Dance Hall Keeper	35
Driverless Auto Rental	16
Entertainment, Place of	122
Explosives, Use of	1
Gun Powder, Storage of	1
Junk Dealers	4
Massage Parlors	16
Mechanical Contrivances	3
Museum (Wax)	1
Public Bath Houses	2
Second Hand Dealers	2
Theatres (includes Motion Picture Theatres)	87

(5) State of California (Fire Marshal):

Clinics	3
Diagnostic Center	1
Family Care Center	3
Head Start Program	9
Hospitals	39
Nursery Schools	72
Nursing Homes	32
Mental Hygiene	113
Orphanages	4

IV
FIRE PREVENTION AND INVESTIGATION

Miscellaneous Reports and Communications:

During the Fiscal Year, various reports, communications and actions were undertaken by the Bureau of Fire Prevention and Public Safety involving the following:

(1) 635 reports from Battalion Chiefs of special building inspections were received. These reports were processed for investigation and abatement of violations by this Bureau.

(2) During the year 257 Notices of Violation on non-compliance were issued to obtain compliance with State and local safety codes.

(3) The number of communications sent out by this Bureau during the Fiscal Year was 2,532.

(4) Numerous meetings, special tests and inspections were made and attended by the officers and members of this Bureau. In addition, Inspector Harry Soden visited 89 schools, giving 173 talks to a total attendance of 10,490 students.

Fire Prevention Corrections (1970-1971):

Automatic Sprinkler Systems Installed:	
Chutes	7
Floor of Occupancy	5
Garbage/Trash Rooms	29
Stairways/Hallways	6
Storage Area	19
Other	97
Automatic Sprinkler Systems Repaired	92
Buildings Boarded Up	52
Buildings Razed	-458
Egress, Additional Means Provided	20
Exit Obstructions Removed	-203
Exit Doors Installed or Altered	74
Exit Signs and Lights	-127
Fire Alarm Systems Installed	27
Fire Doors Installed or Repaired	60
Fire Alarm Systems Repaired	28
Fire Escapes Installed	4
Fire Escapes Repaired	31
Fire Escape Drop Ladders Provided	5
Fire Escape Obstructions Removed	-112
Fire Extinguishers, Installed or Recharged	3379
Hosereels Installed or Renewed	195
Metal Bins and Covers Provided	285
Paint Storage Corrections	20
Rubbish Condition Removed	677
Stairways Installed or Enclosed	6
Stairway Obstructions Removed	53
Stairways Repaired	27
Transoms Fireproofed	176
Warning Signs Installed, "No Smoking", etc.	393
Conditions Referred to Other Departments for abatement	452
Other General Corrections	919
Total Corrections	8038

IV

FIRE PREVENTION AND INVESTIGATION

PRINCIPAL BUILDING OCCUPANCIES INSPECTED AND PRINCIPAL BUILDING OCCUPANCIES IN WHICH FIRES OCCURRED

	Inspections			
	New Insp.	Re-Insp.	Total	Fires
THEATRES:				
Theatres & Motion Pictures	248	359	607	8
PUBLIC ASSEMBLY:				
Bowling Alleys	6	1	7	0
Churches	109	190	299	16
Clubs (Private)	38	48	86	7
Halls	112	179	291	12
Night Clubs	133	223	356	1
Restaurants	800	1853	2653	106
Taverns	116	186	302	13
SCHOOLS:				
Elementary	211	162	373	37
Junior High	39	28	67	23
Senior High	52	35	87	16
College	44	28	72	7
INSTITUTIONS:				
Homes for Aged	221	200	421	1
Homes for Children	194	116	310	1
Hospitals	371	226	597	39
Mental Hygiene	123	47	170	0
Nursing Homes	140	114	254	6
HAZARDOUS:				
Garages - Auto Sales	59	59	118	2
Garages - Commercial and Truck	48	33	81	2
Garages - Public Repair	378	416	794	12
Garages - Public Storage	264	297	561	3
Paint Shops	49	28	77	0
Woodworking and Cabinet Shops	50	28	78	0
BUSINESS:				
Bakeries	14	17	31	4
Clothes Pressing Shops	11	10	21	9
Clothing Stores	54	69	123	7
Department Stores	66	65	131	31
Furniture Stores, Warehouse & Retail	49	41	90	12
Gasoline Supply Stations	576	279	855	14
Grocery Stores	30	28	58	31
Launderettes	44	41	85	42
Laundry	86	60	146	11
Markets	31	39	70	12
Office Buildings	640	1043	1683	145
Printing Shops	43	53	96	11
Variety Stores & Gift Shops	114	126	240	11
Warehouses	396	459	855	77
NON-HAZARDOUS:				
Food Processing	51	32	83	1
RESIDENTIAL:				
Apartments	2243	2764	5007	1145
Boarding Homes (Guest Homes)	22	46	68	2
Dwellings (1 & 2-family)	901	741	1642	1086
Hotels	519	898	1417	306

RESIDENTIAL (Continued)	New Insp.	Re-Insp.	Total	Fires
Housing Projects	378	270	648	278
Motels	58	62	120	8
Rooming Houses	18	9	27	15
VACANT BUILDINGS (all):	194	135	329	125

In addition to the building occupancy fires previously listed, fires occurred in the following occupancies:

(1) Buildings:

Amusement Center	9
Bank	3
Beauty Shop	8
Book Store	3
Brewery	9
Bus Terminal	2
Chemical Plant	1
Coffee Manufacturer	2
Drug Store	4
Electronic Shop (Radio, TV, etc.)	1
Foundry	3
Garages, private	5
Hardware Store	2
Jail	1
Library	1
Liquor Store	2
Machine Shop	1
Manufacturer	7
Metal Shop	1
Mortician	2
Nursery School	1
Recreation Center	0
Pet Shop	0
Post Office	1
Stable	1
Sheds	53

(2) Vehicles:

Air Compressor	1
Automobiles	1276
Buses	15
Crane	1
Fork Lift	5
Freight Car	1
Locomotive	1
Motorcycles	34
Streetcars	6
Tractor	2
Trailers	10
Trolley Bus	3
Trucks	128

(3) Wharves and Piers:	34
(4) Boats and Ships	16

(5) Miscellaneous:

Automobile Wreckers	19

IV

FIRE PREVENTION AND INVESTIGATION

(5)	Miscellaneous: (Continued)	
	BART	36
	Debris Boxes	145
	Dumps	61
	Electric Poles and Wires	230
	Fences	1
	Lumber Yard	3
	Mail Boxes (U.S. Govt.)	26
	Street Road Flares	25
	Tar Pots	2
	Telephone Booth	1
	Underground Vaults (Electric)	10
(6)	Grass and Rubbish:	3570

IV
DIVISION OF FIRE PREVENTION AND INVESTIGATION

Bureau of Fire Investigation

The personnel of the Bureau of Fire Investigation consists of one Lieutenant and seven Investigators. They respond to all fires of dubious, suspicious and incendiary origin and to any other incident to which the Chief-in-charge may summon them. They assist in investigation of accidents in which Fire Department vehicles are involved. They also respond to all greater alarms, fires where an explosion has occurred, and to any fire where a citizen is burned or dies as a result of the fire. Stakeout and surveillance operations are a significant part of their operations. Response is automatic in areas in which a closely connected series of false alarms are received.

During the fiscal year 1970-71 all investigators of the Bureau of Fire Investigation, together with Police Department Inspectors, attended a course in Investigative Procedures conducted by the San Francisco Police Department. Frequent conferences were held with Inspectors of the Police Department, as well as the various Police Captains regarding incendiary fires occurring within their assigned areas.

Investigators assist the District Attorney in criminal cases involving fires and testify in court on all cases where an arrest involving fire has been made. They are also frequently summoned to testify at Coroner's Inquests and at civil cases regarding fires.

Investigation reports of all unusual fires or occurrences are made in detail by the Investigators who responded to the scene. A Fire Record is made of every fire alarm, and the cause of the alarm, which occurs in San Francisco, this year totaling 30,727 alarms. All Fire Records and Reports of this Bureau are compiled daily to provide a permanent statistical record for the Department. These statistics are often requested by the American Insurance Association, the National Fire Protection Association and other agencies for the purpose of analysis.

During the Fiscal Year 1970-71, there was a slight decrease of incendiary fires, from 378 to 357. Molotov cocktails were down from 33 to 29, but the incidence of bombs was up from 3 to 6. Fifty-five arrests were made of persons involved in incendiarism and misdemeanor fires, and they were subjected to prosecution through the efforts of the Bureau of Fire Investigation. In addition, 34 juveniles were cited to the Youth Guidance Center. The Bureau, in cooperation with the Police Department, is continuing intensive investigation relative to further apprehension and prosecution of all persons involved in, or suspected of, incendiarism, as well as of wilful harassment of members of the Fire Department.

The Public Relations work of this Bureau has been very successful. Fire Departments of other cities often request that their personnel be instructed in Arson Investigation Techniques by this Bureau. Instruction in Arson Detection is given to all Police Department and Fire Department recruits of San Francisco. Investigators are often requested to address various Service Clubs and Business Groups, and appearances for television and radio programs have projected the work of the Bureau of Fire Investigation very favorably to the public.

IV

FIRE PREVENTION AND INVESTIGATION

BUREAU OF FIRE INVESTIGATION

1. Field Activities -- Fiscal Year 1970-1971

Investigation of Fires:

Special Investigations	873
Follow-up Investigations	933
Incendiary Origin	357
Greater Alarms	139
Undetermined Origin	9
Burn Cases	101
Deaths	37

Arrests and Dispositions:

Felonies:

Arrests	31
Convictions	21
Cases Pending	3
Acquittals	12

Misdemeanors:

Arrests	24
Convictions	17
Cases Pending	0
Acquittals	3
Citations	1

Juveniles:

Cases Held Under Juvenile Jurisdiction	34
Not Cited	78
Court Appearances and Testimony:	115

Special Complaints Referred from Bureau of Fire Prevention:

Investigations	90
Follow-up Investigations	24

2. Office Activities:

(a) Fire Records -- Compiled and Maintained - - - - - - 30,727

(b) Record Search and Copy - - - - - - - - - - - - - - - 5,200

(c) $2,464.00 was collected and deposited in the General Fund for the processing and sale of copies of Fire Reports to interested persons during the fiscal year by the Bureau of Fire Investigation.

IV
FIRE PREVENTION AND INVESTIGATION

PORT FIRE MARSHAL
SAN FRANCISCO PORT COMMISSION

This report summarizes in brief the operational functions of the office of the Port Fire Marshal during the fiscal year 1970-71.

The fire summary information listed has been compiled from the log of fire alarm responses by the Fireboat "PHOENIX" and relates to Port Commission properties generally.

The report has been formed into two separate sections. The first section contains general statistics on the number and types of fires which have occurred upon Port Commission properties, or contiguous thereto. The second section outlines the fire prevention program in service; enumerating the welding and burning permits, the joint permits for limited storage of explosives and dangerous cargoes upon the piers and aboard ships berthed at piers, - also related pertinent fire safety data.

FIRST SECTION:

	1970-71	1969-70
Total number of fire alarms received - - - - - - - - -	201	178

Breakdown:

OCCUPANCY AND/OR TYPES OF FIRES OR INCIDENTS

False alarms -	116	134
Pier deck, stringer, or piling fires - - - - - - - - - - -	24	19
Ship and small craft fires - - - - - - - - - - - - - - - -	9	4
Automatic sprinkler trouble - - - - - - - - - - - - - - -	4	3
Smoke scares -	3	4
Restaurants -	5	2
Vans (empty) -	2	2
Drydock (Marin)- -	1	0
Gasoline tank truck - - - - - - - - - - - - - - - - - - -	1	0
Forklifts -	2	0
Assist Disabled Small Boats - - - - - - - - - - - - - - -	9	0
Pallets - stacked -	1	0
Rubbish -	11	0
Miscellaneous -	12	
Assist at Tanker Collision - 1/18/70 SS "STANDARD OREGON" SS "STANDARD ARIZONA"		

Upon investigation and when the fire cause is determined, immediate action is taken to prevent recurrence.

The minor fires occurring over the past year show a substantial increase. Largely these minor fires are suspected to have been caused by carelessly discarded lighted matches or smoking materials. Also, there is a tendency by tenants to permit accumulations of flammable debris.

Following is a brief of the fires involving the larger vessels in port during the past fiscal year.

9/17/70 - "U.S.N.S. JACK J. PENDLETON" at Pier 64 - spillage of hydraulic oil ignited by welding operation in steering engine room, aft. Controlled by first aid units.

FIRE PREVENTION AND INVESTIGATION

12/5/70 - "SS MICHIGAN" at Pier 80A - 32 bales of cotton damaged in #3 hold. Suspected illegal smoking. Controlled and extinguished by hose lines.

12/24/70 - "SS CREIGHTON VICTORY" at Bethlehem Shipyards. Dunnage ignited in #1 hold by defective electrical extension. First aid equipment extinguished fire.

2/26/71 - MV "PHILIPPINE CORREGIDOR" at Pier 26. Considerable damage to cargo and ship. #3 hold, cause unknown. Suppressed by CO_2 gas saturation. (Tank Trucks).

3/6/71 - "SS MONTANA" fire discovered in #7 hold while entering harbor. Berthed at Pier 80A, cause unknown, 20 bales of cotton of a stow of 400 were slightly damaged. Suppressed by CO_2 gas saturation. (Tank Truck).

3/15/71 - "PACIFIC MARINER", seagoing tug, at Pier 46A. Items of clothing ignited by electric heater. First aid equipment controlled and extinguished fire.

3/25/71 - MV "SUSANNE SKOU" at Pier 15. Fire in #2 hold, general cargo. Suspected cause illegal smoking. Suppressed by CO_2 gas saturation. (Tank Truck).

SECOND SECTION:

This section of the report embodies the fire prevention activities of the office of Port Fire Marshal.

Approximately 33 welding and burning permits are issued to certain contractors on a 30 day renewable basis for utility and general maintenance purposes. The remainder are one project jobs with permit expiring upon completion. All hot work must be done according to Article #18 - Division 3 - San Francisco Fire Code.

	Current	Prev. Year
Permits issued for welding and burning, largely ship repairs	1011	983
Certified Chemists gas free certificates, where required, for above	361	421
Joint permits for movement of dangerous cargo, limited storage	133	197
Joint permits for movement of explosives, storage prohibited	23	9
Joint permits for movement of reactive chemicals	43	39
Joint permits for movement of radioactive materials	10	11
Permits for fumigation of cargoes or ships - Chief Lharfinger	241	244

The number of cargoes of hazardous materials through the Port has decreased somewhat. This is noteworthy particularly in the reactive chemicals. Fumigations upon cargo in transit are stable. These are conducted by licensed private contractors, using plastic covers - and inserting Methyl Bromide.

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FIRE PREVENTION AND INVESTIGATION

In each of the above instances (hazardous cargoes and fumigations) - on site inspection is made by this office. Then the nature of the product and its location on the pier is phoned to the San Francisco Fire Department Communications Center. This information is teletyped to the divisions and district firefighting headquarters throughout the city.

The joint permits mentioned above are five copy, multi-color units, signed by Chief of Department, S.F.F.D., Captain of the Port U.S.C.G., Port Fire Marshal S.F. Port Commission, and Chief Wharfinger S.F. Port Commission. Copies are distributed to all principals and to the applicant.

REMARKS:

Field operations including issuance of welding and burning permits, and surveillance upon dangerous cargo in port are largely handled by the Deputy Port Fire Marshal, and this is normally accomplished during regular business hours. During other hours and on Saturdays and Sundays, the U.S. Coast Guard Group Base at Yerba Buena Island, coordinates procedure to issue such hot work permits. However, these permits are issued without on site inspection. The Deputy Fire Marshal checks out such work on the next business day.

In normal function the operations of the office of the Port Fire Marshal are closely correlated with the offices of:

The Administrative Staff, and Department Heads, San Francisco Port Commission.
The Chief of Department, San Francisco Fire Department.
The Chief, Division of Fire Prevention and Investigation, S.F.F.D.
The Captain of the Port San Francisco, United States Coast Guard.
The Bay Area Waterfront Fire Safety Council, including the cities of:

Oakland	Sacramento
Alameda	Richmond
Stockton	Redwood City

The Pier Superintendents and managerial staffs of shipping companies.

DEPUTY FIRE MARSHAL

The Deputy Port Fire Marshal assigned to this office is:

Pete A. Rich, Fireman - S.F.F.D.

FIRE SAFETY SURVEY PROGRAM

The Fire Safety Survey Program is a two-phase operation of Home Inspection by assigned area and Structural Survey by first alarm area. This work is done by the in-service companies of the fire-fighting force.

The Home Inspection phase is primarily an inspection procedure designed to reduce dwelling fire and life loss. Inspections in the home are made only by voluntary invitation of the owner or occupant. Detection and correction of the common fire hazards found in the home have contributed materially in the reduction of these losses.

Fire Safety Survey Program; (Continued)

Structural Survey and Area Orientation is the second phase of this program and is of great importance to the inspecting companies. It enables the men and officers to become familiar with the special hazards and unusual problems that exist in their response areas. This information and detailed drawings are recorded on special report forms which are transmitted to headquarters and are kept on file in company quarters for periodic study and reference.

The following is a statistical report of the program for the past twelve months:

Inspections	Number	
Total Homes Contacted	29,541	
Total Homes Admitted	10,846	- 36.7%
Total "Not Home"	16,294	- 55.1%
Total "Declined"	2,401	- 8.2%
Common Hazards Detected		
Smoking - Matches	295	
Electricity	812	
Flammable Liquids	393	
Stoves - Heating	262	
Miscellaneous	565	
Total	4,318	
Structural Surveys		
Total Buildings Survey	438	
Total Company Inspection Hours	785	
Total Days Inspected	209	

TRAINING

V
TRAINING

DIVISION OF TRAINING

During Fiscal Year 1970-71, the Division of Training continued its function as the directional center of instruction for the Department. Through the means of direct instruction by the assigned staff; by use of specialists within and without the Department; through the maintenance of the series of Department Training Manuals; by issuance of Informational Bulletins; through specially arranged demonstrations; through the programming of Company Station Drills; Engine Drafting and Hydrant Drills; Truck Company Ladder Drills; and by conducting Unit Training Sessions at the Fire College, the Division fulfilled its assigned requirement to maintain the high level of proficiency that has characterized our Department through the years.

Direct Training was conducted on various levels, ranging from basic courses in firemanship and indoctrination into the Department for the recruits entering the fire service, and the maintenance of basic skills and proficiency of the firefighting Companies, plus the introduction of new equipment, concepts, and practices.

During the past year 77 recruits received indoctrination and training at the Fire College. All have been assigned to firefighting companies and are qualified to perform the duties of Hosemen, Truckmen, Salvagemen, Drivers, Pump Operators, and Tillermen. These new men comprise approximately 6% of the H-2 Firemen in the Department. In addition to the normal Probationary Classes at the Fire College, 23 Fire Safety Technicians received 12 weeks of training and indoctrination in the basic duties of a member of the San Francisco Fire Department.

The Division assists the Airport Division in their specialized training and coordinates the training of specified municipal units in Aircraft and Rescue Operations.

The Staff of the Division of Training assists the Bureau of Equipment in the testing of new apparatus and equipment. It continues to remain the liaison with the Department of Motor Vehicles, to arrange for the necessary drivers license to operate fire apparatus, and processes Departmental Identification Cards.

In accord with the Division of Industrial Relations, State of California, the Division of Training is continuing the Apprenticeship Program under the Veterans' Administration whereby recruits, who are veterans, receive benefits as apprentice trainees. The Division administers the required clerical work throughout the period of said benefits.

The Division of Training is the center for budgeting, ordering, and dispensing protective clothing for the fire-fighting forces.

In addition to the normal functions of the Division of Training the following courses have been conducted at the Fire College:

1. Chief Officers received instruction relative to issuing Traffic Citations.
2. Company Officers have observed the teaching techniques of the Staff of the Division of Training.
3. Chief Officers critique on Ship Fires and High Rise Fires.
4. Slide Films and critique of the Los Angeles Earthquake.

Division of Training (Continued)

5. Company Officers participated in the following seminars:

   (a) Fire Practices given by Assistant Chief Bassi
   (b) Public Relations given by Inspector Born
   (c) Company Leadership given by Battalion Chief Galli.
   (d) In-service Training given by Lieutenant Lee.
   (e) Professionalization given by Battalion Chief Sherratt.
   (f) Report Writing given by Lieutenant Cresci.

6. Chief Officers as well as Company Officers participated in a seminar conducted by the Sixth Army on "Bomb Search and Identification".

The Division of Training has researched and is continuing to research the following:

1. The Oakland Hose Strap.
2. New York Fire Department "Lock Jimmy Tool".
3. Street Flusher Wagon, Department of Public Works.

In cooperation with Mission High School, the Public Service Career Program was begun in our Department.

On April 8, 1971 two Ford 12-Passenger Vans were acquired by the Division of Training, replacing the International Bus.

Mayor Joseph L. Alioto proclaimed, Saturday, May 8, 1971, as San Francisco Fire Service Recognition Day. In connection with this, the newest fire apparatus were displayed at the Fire College, as well as films and a demonstration on resuscitation were presented to approximately 200 people.

During the year the following Manuals were up-dated: Civil Disturbance, Company Officers Instructor Training, Disaster Operations, Driver-Tillerman, Fuel Unit, Laws Relating to Firemen, Radio Procedure, Valve Operating Units, Water Towers, Ladder, Salvage, Hose and Hose Appliances. In addition, a new Manual on Arson was issued.

Budgeting for, maintenance of, and instruction in the Departmental breathing apparatus program is under the jurisdiction of our Technical Supervisor, Operator John Mitchell. He is, additionally, the Departmental Specialist in emergency resuscitation and supervises instruction within the Department on both subjects. He conducts all instruction on these topics to the recruit classes at the Fire College and he holds refresher sessions for the fire companies in the field.

As a public service, and on request from various organizations, Operator Mitchell conducts a program of Public Education on Emergency Resuscitation.

During the Fiscal Year 1970-71, 66 Companies on three shifts (558 men) received two-hour training sessions on resuscitation. At the Fire College 77 Probationary Firemen were trained in resuscitation procedures.

Operator Mitchell conducted a program at Brooks Hall from December 4th to December 13th during the California Home Show. The program demonstrated resuscitation methods. Approximately 5,000 persons viewed the demonstration.

V
DIVISION OF TRAINING

A summary of training performed by Operator Mitchell is detailed as follows:

In-Service Fire Companies trained:

66 Companies	- 558 men	--	1116 man hours
77 Probationaries		--	154 man hours
		Total	1270 man hours

Public Education training conducted:

58 Lectures	3379 persons	6758 man hours

A recap of the past year's (1970-71) experience in resuscitation service performed yields these figures:

Resuscitation Responses	490
Positive Results	293
Negative Results	197

	Positive	Negative
Mechanical Resuscitation	267	116
Mouth-to-Mouth	9	25
External Heart Compression	17	56

In addition to the two Rescue Companies, all Truck Companies, the Fireboat, and Engines No. 7 and 42 have been equipped with the Elder mechanical resuscitator. The crews have been instructed in its use. A total of 25 Elder resuscitators are now in service.

FIRE FIGHTING SERVICES

VI

FIRE FIGHTING SERVICES

Headquarters Chief Officers (1970-1971)

		DIVISION NO. 1	Headquarters
Division No. 1		Engine Co. No. 1	115 Drumm Street
	Battalion No. 1	Engine Co. No. 5	1340 Powell Street
	Battalion No. 2	Engine Co. No. 14	109 Oak Street
	Battalion No. 3	Engine Co. No. 4	676 Howard Street
		DIVISION NO. 2	
Division No. 2		Engine Co. No. 34	1301 Turk Street
	Battalion No. 4	Engine Co. No. 15	2150 California St.
	Battalion No. 5	Engine Co. No. 21	1443 Grove Street
	Battalion No. 7	Engine Co. No. 46	441 - 12th Avenue
	Battalion No. 8	Engine Co. No. 49	2155 - 18th Avenue
		DIVISION NO. 3	
Division No. 3		Engine Co. No. 10	2300 Folsom Street
	Battalion No. 6	Engine Co. No. 13	3880 - 26th Street
	Battalion No. 9	Engine Co. No. 38	1000 Ocean Avenue
	Battalion No. 10	Engine Co. No. 42	2430 San Bruno Avenue
	Airport Division	S. F. International Airport Airport Rescue Company No. 1 and No. 2	

VI
FIRE FIGHTING

Organization:

The 1970-71 organizational plan of the fire fighting divisions, battalions, companies, and special units of the Department is detailed in the Organization Chart contained in this report. Personnel assigned thereto is detailed in the Personnel Chart of this report.

In order to provide the required manpower to implement the reduction of hours of the fire fighting force from 51.7 to 49.7 hours per week, the following units were deactivated:

Battalion District No. 11
Engine Companies 2, 9, and 16, and Salvage Company No. 3. The latter unit was transferred to the quarters of Salvage Company No. 1 and is maintained as a Relief Unit.

Department Buildings:

The various units of the Department are stationed in the following buildings:

1	Department Headquarters
44	Company Stations
2	Airport Company Stations
1	Assignment and Communications Center
1	Bureau of Equipment Headquarters
2	Pumping Stations (High Pressure System)
2	Tank Stations (High Pressure System)
1	Reservoir Station (High Pressure System)
2	Warehouses (Storage)
1	Deactivated Company Station
1	Pipe Yard Station (High Pressure System)

The building at 840 Octavia Street, formerly occupied by the Bureau of Equipment, was purchased by Redevelopment. The Bureau of Equipment now occupies the former quarters of Engine Company No. 16 at 909 Tennessee Street.

Construction, reconstruction, and resultant relocation of Company Stations, as authorized by the 1964 Bond Issue are detailed in the Division of Planning and Research Report.

Apparatus and Equipment:

The overall appraisal of the In-Service Equipment status of the Department remained satisfactory during the fiscal year 1970-71 with the exception of our heavy equipment status.

Due to the obsolescence of some of our heavy-duty apparatus, established by the production agency thereof, the former life expectancy of 20-years is no longer valid. Also, due to the number of increased responses the former criteria are no longer practical. Life expectancy is now considered to be 15-years.

The Bond Issue of June, 1970, included funds in the amount of $1,774,000 for purchase of first line fire fighting apparatus in order to implement a 15 year policy. The Bond Issue failed to obtain a two-thirds majority by a narrow margin.

Apparatus and Equipment: (Continued)

In order to recover this apparatus, a Supplemental Appropriation Request was submitted for a minimum replacement of 4-Pumpers, 1-Aerial Ladder, and 7-replacement apparatus engines, as well as other miscellaneous first line fire fighting automotive equipment, which was not approved.

The following equipment was allowed in the 1970-71 Budget:

7 - Class A - 4-Door Sedans
1 - Class C - 4-Door Sedans
1 - Tool Truck - Carrier
2 - Delivery Trucks and
2 - Passenger Buses

All have been received and are in-service. Also, 2 Pumpers which were requested in the 1969-70 Budget were received and placed in-service on May 4, 1971. One Aerial Ladder from the same Budget is due to arrive the latter part of 1971. This will increase our number of Aerial Ladders in-service to 19.

Due to the non-feasibility of keeping them in repair, the following apparatus was put out-of-service:

1 - 1898 Model Water Tower
1 - 1927 Model Water Tower
1 - 1939 Model Aerial Ladder

Eventually, they will be exhibited in the Pioneer Museum as interesting Fire Department memorabilia.

Another Bond Issue is being offered in November of 1971 which, if passed, will enable the San Francisco Fire Department to establish a long needed sound apparatus program.

Emergency Response:

During the Fiscal Year 1970 to June 1971, inclusive, the Department responded to 30,727 alarms, a decrease of 2,892 alarms from the previous year.

	Bell Alarms	Still Alarms	Total	False
July, 1970	1,723	1,433	3,156	1,057
August, 1970	1,502	1,066	2,568	943
September, 1970	1,625	1,169	2,794	1,031
October, 1970	1,401	1,120	2,521	948
November, 1970	1,284	930	2,214	910
December, 1970	1,219	1,059	2,278	827
January, 1971	1,255	1,078	2,333	881
February, 1971	1,197	859	2,056	839
March, 1971	1,398	1,023	2,421	967
April, 1971	1,362	907	2,269	962
May, 1971	1,654	1,143	2,797	1,169
June, 1971	1,868	1,452	3,320	1,256
Total 1970-1971	17,488	13,239	30,727	11,790

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FIRE FIGHTING

Emergency Response: (Continued)

Six Year Comparison

	Bell Alarms	Still Alarms	Total	False
1969-1970	20,130	13,489	33,619	13,355
1968-1969	19,344	11,675	31,019	12,594
1967-1968	17,200	12,362	29,562	10,597
1966-1967	11,993	10,373	22,366	7,072
1965-1966	10,851	10,597	21,448	5,242
1964-1965	8,781	9,151	17,032	3,908

Fires:

Bell Alarms	4,265
Still Alarms	5,152
No Alarms	63
Total	9,480

Special Calls

In conjunction with other alarms	124

Major Alarms:

Second Alarms	90
Third Alarms	39
Fourth Alarms	9
Fifth Alarms	1
Total	139

Extent of Fires:

	Yes	No
Confined to floor of origin	3,669	151
Confined to building of origin	3,729	97

Classification of Buildings in which Fires Occurred:

Type 1	574
Type 2	12
Type 3	756
Type 4	33
Type 5	2,455
Total	3,830

Deaths at Fires:

Male	23
Female	14
Total	37

[illegible]

[illegible] Day [illegible]

Six Year [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]:

[illegible]

[illegible]

[illegible]

[illegible]

Extent of Fires:

[illegible]

Classification [illegible]

[illegible]

[illegible]:

Emergency Response: (Continued)

Total Street Fire Alarm Boxes Activated: *			Total False
July,	1970	1,695	1,055
August,	1970	1,476	932
September,	1970	1,597	1,024
October,	1970	1,386	943
November,	1970	1,266	902
December,	1970	1,199	807
January,	1971	1,239	873
February,	1971	1,166	818
March,	1971	1,374	949
April,	1971	1,343	940
May,	1971	1,635	1,148
June,	1971	1,839	1,223
	Totals	17,215	11,614

* This figure is minus Greater Alarms, Special Calls and No Alarms.

It is noted that of the total 17,215 Fire Alarm Boxes activated during the fiscal year 1970-1971, 13,902 of these Fire Alarm Boxes were activated by civilians from street Fire Alarm Boxes, of which 10,587 were False Alarms, for an average of 76 per cent.

Type of Response: (1970-1971)

Building Fires:

Theatres	8
Public Assembly	155
Schools	83
Institutions	47
Hazardous	19
Business	417
Non-Hazardous	1
Residential	2,840
Vacant Buildings	125
Other, Miscellaneous Buildings	120
Vehicles	1,483
Wharves and Piers	34
Boats and Ships	16
Grass and Rubbish	3,570
Miscellaneous Fires	559
Resuscitations	496
Greater Alarm Response	139
Special Call Response	134
Emergencies Other Than Fires	8,691
False Alarms	11,790
Total	30,727

Type of Response: (Continued)

CAUSES OF ALARMS

Automobiles:	
Backfiring through carburetor	438
Colliding with fire alarm boxes	9
Colliding with fire hydrant	154
Motor igniting	184
Overheated brakes	23
Overheated transmission	32
Smoking igniting seats and upholstery	360
Wiring	292
Bombs:	6
Burning Paint from Building, Igniting	4
Burning Torch Igniting Combustibles	59
Candles, Igniting Combustibles	33
Chimneys:	
Defective and/or overheated	22
Sparks from igniting combustibles	9
Debris Box	146
Dumps	61
Electric:	
Automatic Alarms, accidentally actuating	296
Blankets	12
Dishwashers	15
Dryers	23
Elevators	94
Extension cords	35
Flourescent lights	46
Fuses blown	14
Garbage Disposal	4
Globe, Igniting Inflammables--too close	26
Heater	53
Iron	9
Manhole and Underground vaults	5
Motors	58
PG&E Wires and Poles	244
Plate	19
Radio	5
Refrigerator Motors	20
Stoves	47
Television	57
Toasters	13
Transformers	30
Washing Machines	24
Wiring, defective in building	307
Heating light	2
False Alarms	11,790
Fireplace: Defective and/or overheated	41
Fireworks	32
Friction	6
Gas:	
Boilers	18
Dryers	52
Escaping and Igniting	40
Furnaces	97

Gas: (Continued)	
Stoves, burnt food	515
Stoves, overheated	163
Water Heater	96
Gasoline Vapors Igniting:	33
Grass and Rubbish	3,570
Grease in Flue Igniting	92
Hot Ashes Igniting Combustibles	5
Incendiary	357
Juveniles, with Matches Igniting Combustibles	311
Lock-outs and Lock-ins	659
Mistaken Alarms	1,015
Molotov Cocktails	33
Refrigeration Systems, Leaking	85
Smell of Gas	248
Smell of Smoke	1,001
Smoking:	
Igniting awnings	70
Igniting bedding and mattresses	367
Igniting chesterfields and chairs	175
Igniting combustibles	1,060
Igniting garbage cans and chutes	123
Special Service:	
Assists and rescues	994
Other	1,087
Resuscitations	496
Spontaneous combustion	14
Sprinkler Systems: Actuating	137
Steam Mistaken for Smoke	63
Street Road Flares	25
Tar Kettle Igniting	5
Undetermined	9
Vapors (Inflammable Igniting)	48
Vicinities	161
Washdown Streets	1,283
Water Leaking	785
Christmas Trees	3
Total	30,454
Greater Alarms	139
Special Calls	134
Grand Total	30,727

Special Services:

The Department responded to 9,717 alarms for other than fire service during the past year. These alarms included resuscitations, first-aid, lock-outs, lock-ins, cliff rescues, automobile accidents, people trapped in elevators, cave-ins, industrial accidents, and a myriad of other emergencies.

The services of the Department are sought more than ever for resuscitation and first-aid. These responses amounted to 926, of which 430 were at the San Francisco International Airport.

Special Services: (Continued)

Every member of the Department is trained in this life saving technique. Since our Fire Stations are stationed at strategic locations throughout the City, our response to any incident is rapid and assured.

As expressed in many communications received, our efforts to render this service are very much appreciated by the citizens of San Francisco.

The phase of BART operations requiring construction under a condition of high atmospheric pressure has been completed without any serious accident. During this time, selected members of the Department were screened and trained to provide "Fire-Rescue" protection in these areas.

Salvage Operations:

In San Francisco, one of the prime factors in reducing fire damage and in containing property loss, is the excellence of the salvage operations of our Department.

Indirect fire damage caused by smoke, water, breakage and felled debris has been kept to a minimum by the prompt and efficient action of the Department's Salvage Companies.

In the past years, many incidents, other than fires, i.e., industrial and commercial accidents involving spills, broken pipes and mains, damaged tanks, broken sprinkler installations and defective plumbing fixtures required the services of our Salvage Units.

In addition, many calls were made to secure premises against property loss by vandalism, storm damage and accidents. Leaking roofs, flooded basements and clogged drains also were serviced by our Salvage Companies.

The Salvage Companies performed the following operations during the past year:

Alarms responded to	4,738
Salvage covers spread	2,127
Roof covers spread	429
Sprinkler heads replaced	221
Sacks of sawdust used (Floor drying, etc.)	15
Roofing paper used - exposures (Rolls)	47
Polyethylene Plastic used-exposures (Rolls)	79

The Sand Unit, assigned to the quarters of Engine Company No. 15 responded to 15 calls and used 205 buckets of sand on various spills.

The billings for roof and salvage cover rentals in the fiscal year 1970-1971 amounted to $9,959.25. This revenue is returned to the City and County of San Francisco.

VI
FIRE FIGHTING

Water Rescue and Firefighting Scuba Unit:

The Fire Department Diving Unit continued in operation throughout the year. As in the past, the demand for Emergency Diving has increased in calls for the unit by not only City Governmental Departments, but also State and Federal Agencies. There has been an increase in the number of new divers on the Team, recruited from among the new members to the Department. There has also been an increase in the use of the Team as a Public Relations medium, i.e., during Fire Department Recognition Day, and Fire Prevention Week.

Equipment is stored on Rescue Squads #1 and #2, as well as at Engine Co. No. 3. In the future an apparatus, now under remodeling at Central Shops, will be put in service as a Diving Unit Apparatus. At that time equipment will be stored on both Rescue Squads and the bulk of the gear will be stored on the Diving Unit Apparatus. The acquirement of this apparatus has long been under request and the need has been apparent. When this apparatus is put into service the efficiency of the Unit will be improved.

Following is a list of the operations of the Unit for this Fiscal Year, both emergency as well as drills and appearances:

Drills:

11 drills were held at Marineworld from August 31, 1970 through October 8, 1970 with approximately 12 divers at each drill. Drills were of 4 hours duration. These drills were held with several other cities' Diving Units.

15 Drills were held during the year with Rescue Squad #1 and #2 in attendance. Drills were held at some of the following locations:

Marina Yacht Harbor	Aquatic Park
Twin Peaks Reservoir	Lake Merced
Quarters-Fireboat No. 1	Pumping Stations

and in various locations in the Bay with the Fireboat. Also, we instructed the Mountain View Fire Department in diving operations.

Public Relation Appearances:

Two shows were performed at Marineworld on October 10 - 11, 1970, before approximately 7,000 people.
Fifteen shows per day were put on by the Unit. There were fifteen of our divers each day and they put in eight hours both days. Most of this time was volunteered on off-duty status by these men.

Two shows were done on Channel 44 TV, explaining the duties and equipment of the San Francisco Fire Department Diving Unit. This gave the unit approximately four hours service.

Two shows were done on May 8, 1971, one in the morning and one in the afternoon. This was in conjunction with the Fire Recognition Day. The show was held with the help of Captain Bernard Feldhaus and the crew of the Fireboat "Phoenix". Service for this drill was six hours.

VI
FIRE FIGHTING

Water Rescue and Firefighting Scuba Unit:

The Fire Department Diving Unit continued in operation throughout the year. As in the past, the demand for Emergency Diving has increased in calls for the unit by not only City Governmental Departments, but also State and Federal Agencies. There has been an increase in the number of new divers on the Team, recruited from among the new members to the Department. There has also been an increase in the use of the Team as a Public Relations medium, i.e., during Fire Department Recognition Day, and Fire Prevention Week.

Equipment is stored on Rescue Squads #1 and #2, as well as at Engine Co. No. 3. In the future an apparatus, now under remodeling at Central Shops, will be put in service as a Diving Unit Apparatus. At that time equipment will be stored on both Rescue Squads and the bulk of the gear will be stored on the Diving Unit Apparatus. The acquirement of this apparatus has long been under request and the need has been apparent. When this apparatus is put into service the efficiency of the Unit will be improved.

Following is a list of the operations of the Unit for this Fiscal Year, both emergency as well as drills and appearances:

Drills:

11 drills were held at Marineworld from August 31, 1970 through October 8, 1970 with approximately 12 divers at each drill. Drills were of 4 hours duration. These drills were held with several other cities' Diving Units.

15 Drills were held during the year with Rescue Squad #1 and #2 in attendance. Drills were held at some of the following locations:

Marina Yacht Harbor	Aquatic Park
Twin Peaks Reservoir	Lake Merced
Quarters-Fireboat No. 1	Pumping Stations

and in various locations in the Bay with the Fireboat. Also, we instructed the Mountain View Fire Department in diving operations.

Public Relation Appearances:

Two shows were performed at Marineworld on October 10 - 11, 1970, before approximately 7,000 people.
Fifteen shows per day were put on by the Unit. There were fifteen of our divers each day and they put in eight hours both days. Most of this time was volunteered on off-duty status by these men.

Two shows were done on Channel 44 TV, explaining the duties and equipment of the San Francisco Fire Department Diving Unit. This gave the unit approximately four hours service.

Two shows were done on May 8, 1971, one in the morning and one in the afternoon. This was in conjunction with the Fire Recognition Day. The show was held with the help of Captain Bernard Feldhaus and the crew of the Fireboat "Phoenix". Service for this drill was six hours.

Water Rescue and Firefighting Scuba Unit: (Continued)

Emergency Operations:

10/29/70	At 1652 Hours, Pier 50-8, Truck in Bay -	Service: 2 Hours.
12/10/70	At 2240 Hours, Lake Merced, search for auto accident victims on Shoreline and in water.	- Service: 2 Hours
2/7/71	At 1102 Hours, Body in Bay, foot of Scott Street - Results positive.	Service - 1 Hour 10 Min.
2/11/71	At 1740 Hours, Lake Merced, San Francisco Police Department Helicopter crash - Removed victim and applied first-aid until removed by Ambulance.	Service - 2 Hours 10 Minutes.
4/18/71	Lake Merced - Standby -	Service - 20 Minutes
4/25/71	At 0021 Hours - Cliff House Area. Search for victime - Negative.	Service - 1 Hour 30 Min.
4/26/71	At 1440 Hours, Municipal Pier, Man in water - Used H/L/R results: Positive.	Service - 2 Hours

Total Service: 118 Hours and 10 Minutes.

Appreciation is extended at this time to Chief of Department, Keith P. Calden, for his support and assistance in the continuance of the Diving Unit; to the Officers and Members of both Rescue Squads for their interest and help and to the Officers and men and the Marine Crew of the Fireboat "Phoenix" for their help and assistance.

It is hoped that the next Fiscal Year will show an increase and growth of the Unit and it's service to the community and Department.

Harassment - Incidents:

During the fiscal year of 1970-71, the incidents involving harassment continued. Based on reports received, they are classified as follows:

Type of Harassment:	No. of Incidents
(1) Rocks and other types of missiles thrown at firefighters or responding apparatus -	15
(2) Verbal abuse and threat of bodily harm -	9
(3) Smoke bombs thrown into Fire Station -	2
(4) Illegal entry into Fire Stations -	2
(5) Firefighters threatened by gun fire -	1
(6) Rocks and other objects thrown at Fire Stations	1
Total	30

The total number is a decrease of twenty-one (21) from the previous year. This downward trend is attributed to the efforts of our Community Relations Bureau and FLAME, our sports program for juveniles. It is sincerely hoped that the ensuing year will show an even greater reduction in these regrettable in-

Harassment - Incident: (Continued)

cidents.

All apparatus, subject to First Alarm Response in areas of high harassment incident, are now provided with cabs to protect firefighters assigned thereto from thrown missiles when responding to, or returning from, emergency alarms.

Further, all Firefighting Companies are now provided with a "Toptex" helmets, designed to provide maximum protection of the head, face, neck and ears against thrown or falling objects for each Firefighter assigned thereto.

VI
FIRE FIGHTING

AIRPORT DIVISION

Personnel:

The Airport Fire Department is a Division of the San Francisco Fire Department assigned to the San Francisco International Airport. The members assigned to the Airport are experienced firemen who are specially trained in the techniques of aircraft rescue and fire suppression.

The 1970-71 authorized personnel complement of the Airport Division of the San Francisco Fire Department is as follows:

1 - H-30 Captain	Airport Fire Marshal
1 - H-10 Chiefs' Operator	Fire Marshals Aide and Training Officer
6 - H-20 Lieutenants	Company Officers
38 - H-2 Firemen	Drivers and Equipment Operators

Organization:

The Airport Division is organized into two Airport Rescue Companies. Airport Rescue Station #1 is located in Hanger #4, facing taxiway Alpha (A) between taxiways Sierra (S) and Romeo (R). The Airport Division Headquarters and Rescue Company #1 are housed in this station. Three Lieutenants and twenty-four Firemen are assigned to Rescue Company #1.

Airport Rescue Station #2 is located 750 feet northwest of the intersection of taxiways Carlie (C) and Echo (E). Three Lieutenants and fourteen Firemen are assigned to Rescue Company #2.

The Airport Fire Marshal and his aide, the Training Officer, work a five day week, 0800 to 1700 hours, and are subject to recall during their off-duty status. All other personnel work the standard tour of duty of the San Francisco Fire fighting force. This allows for a daily manning of one (1) officer and seven (7) firemen at Rescue Station #1 and one (1) officer and four (4) firemen at Rescue Station #2.

Responsibilities:

The Airport Division of the San Francisco Fire Department is responsible for:

(a) Aircraft Rescue and Fire Protection applicable to the standards newly specified by the Federal Aviation Agency (FAA) Advisory Circular 150/1510-6A App. 1, Index IX, and National Fire Protection Association (NFPA) Code 403, Table 1A and 1B, Index 6.

(b) Structural fire protection to standards specified by the Pacific Fire Rating Bureau.

(c) Emergency First Aid and Resuscitation.

(d) Building Inspection of Airport Facilities.

(e) Fire Prevention and Inspection of Airport Facilities.

(f) Administrative management, including: budget preparation, equipment specifications, purchasing, contracts, permits, maintenance of records, personnel management, and training.

VI

FIRE FIGHTING

AIRPORT DIVISION

Rating:

The Airport Fire Department is rated under classifications specified in NFPA Code 403 as Index 6, and in FAA AC 150/1510 as Index IX. The deficiencies are one 'Quick-Dash' dry chemical truck and a discrete radio frequency for the use of emergency vehicles only.

Fire Hose (Airport Complement)

Size	In Service	In Reserve	Total
2-3/4 in.	5500 feet	2000 feet	7700 feet
1-1/2 in.	1650 feet	800 feet	2450 feet
1 in.	2400 feet		2400 feet

Water Supplies:

Fire Hydrants

Two hundred and thirty-four (234) Fire Hydrants are in service at the Airport. All hydrants have at least one three (3) inch outlet.

Tanks and Pumps:

United Air Lines Tanks and Pumps	2 - 500,000 gal.	w/8 2500 GPM Diesel powered pumps.
	1 - 320,000 gal.	w/3 2500 GPM electric powered pumps.
American Air Lines Tanks & pumps	3 - 750,000 gal.	w/7 4000 GPM Diesel powered pumps.
	2 - 6,000 gal.	foam tanks using 3% protein foam.
Airport Tank and Pump	1 - 300,000 gal.	w/3 2500 GPM electric powered pumps & 1 Diesel Pump.
Pan Am Pump		3 2500 GPM Pumps 2 electric and 1 Diesel powered.
TWA Pump		1 2500 GPM Diesel powered pump

The UAL 320,000 tank and pump, and the Airport tank and pump are connected to Airport mains and can be used to augment existing facilities. Pumps are connected to local mains and sprinkler and deluge systems. Standpipes are located at the north and south ends of the Central Terminal, three positions on the east side of the garage, UAL operations building, UAL freight terminal and Air West Airlines Maintenance Facility.

Service Tunnel:

A service tunnel 4800 feet in length, has been constructed at UAL Maintenance Base to connect all major hangars and shops. In the tunnel are the fire mains from the pumps, hydrant mains, domestic mains, sewage line, waste oil lines, solvent (clean and dirty) lines, steam lines, electrical line, telephone cable and a telephone and notifier system.

Water Supplies: (Continued)

Scott (2) Air Paks are stored in break-a-way cabinets in Building U-84 for use in entering the tunnel in emergency conditions. Air tanks are of forty-five (45) minute supply. Entrance to the tunnel can be made at the main gate, new pump station, and buildings U-84 and U-47.

Fire Alarm System:

In addition to the BRIGADE telephone alarm system and the CRASH alarm system, there are four "Phantom" Fire Alarm Boxes used for greater alarm response. These boxes are struck on radio command from the Airport to the San Francisco Central Fire Alarm Office.

Radio Communications:

All Airport Division Mobile Equipment is equipped with two-way radio. A Manual of Radio Procedure published by the Airport governs the operation of this radio. Two radio systems are in use at the Airport.

1. 121.8mg VHF-FM operated by the FAA in the Control Tower. This is used for the control of all aircraft and vehicular movements on the ramps, taxiways and runways. No inter-vehicular communication is allowed on this radio.

2. 458.2mg and 453.2mg UHF-FM controlled and operated by Airport Communications for inter-vehicle and/or office communication.

   Each fire station at the Airport has a base radio station.

Training:

Training of Airport Division personnel is conducted daily. Saturday and Sunday are reserved for Airport familiarization. All training is under the supervision of the Airport Fire Marshal and conducted by the Training Officer and Company Officers. Training is conducted in accordance with the recommended practices of the NFPA, Aviation Division and the FAA.

Manhours of Training

Direct Training	2315
Related Training	1936

Materials Expended in Training

Foam 3% (Protein)	915 gal.
Foam 6% (Aqueous Film Forming)	295 gal.
Dry Chemical	420
Carbon Dioxide	380
Fuel	9,320

Permits:

Flamable Storage	4
Open Flame Welding	42

Fire Prevention:

Number of Inspections	78
Number of Violations	22
Number of Corrections	22

VI
FIRE FIGHTING

Emergency Alarms:

Classification of Alarms is as follows:

Alert #1 is a potential accident or an actual emergency, but aircraft is not expected to arrive for five (5) minutes.

Alert #2 is an accident that has occurred or is imminent. Code 10 is a Bomb report.

Res. #1 Mo.&Yr.	Alert 1	Alert 2	Fire Alarms	Fuel Spill	First Aid	Code 10	Alarm Total	Total Service
Jul. 70	30	3	30	22	44	5	134	99:50
Aug. 70	35	3	26	16	33	7	120	127:04
Sep. 70	30	1	30	27	47	4	139	131:33
Oct. 70	23	1	25	19	46	7	122	100:23
Nov. 70	18	1	30	12	37	4	102	77:25
Dec. 70	19	0	15	8	40	3	85	48:30
Jan. 71	25	0	13	13	33	2	86	55:35
Feb. 71	13	1	20	13	40	3	90	70:00
Mar. 71	16	4	11	6	30	5	72	78:12
Apr. 71	21	-	19	10	31	2	83	67:15
May 71	8	4	10	14	24	1	61	56:05
Jun. 71	15	6	17	12	25	2	77	73:15
Totals	253	24	246	172	430	45	1171	985:07
Res. #2 Mo.&Yr.								
Jul. 70	27	3	1	0	0	0	31	14:20
Aug. 70	34	2	1	0	0	0	37	20:50
Sep. 70	29	2	3	0	0	0	34	28:00
Oct. 70	24	1	2	0	0	1	28	13:20
Nov. 70	19	0	2	0	0	0	21	18:50
Dec. 70	18	1	1	0	0	0	20	08:40
Jan. 71	21	2	0	0	1	0	24	11:00
Feb. 71	14	0	4	0	0	0	18	07:45
Mar. 71	22	4	1	0	0	0	27	11:30
Apr. 71	21	0	3	0	0	0	24	12:45
May 71	14	4	3	0	0	0	21	09:10
Jun. 71	18	3	7	0	0	0	28	12:05
Totals	261	22	28	0	1	1	313	168:15

First-Aid Response:

Mechanical resuscitation/mouth-to-mouth	211
Cardiac Compression	76
Miscellaneous First-Aid	143
Total	430

Major Fires/Incidents:

8/15/70 - Airlift International DC-8-63 blew all tires on right main landing gear, wheel and strut assembly damaged, used foam and dry chemical, approximate loss $50,000.00

Major Fires/Incidents: (Continued)

8/9/70 - Fire involving all of United Air Lines Building U-33 - Box 6912 struck - used two small lines off N-32, one large line and turret off N-34, Manning 1-1 N-32, 0-1 N-34, no estimate of damage since building due for demolition.

9/15/70 -Hijacker on board TWA 707 - shot by guard - Lt. Azich administered "First-Aid".

9/18/70 -American Air Lines 747 #1 engine exploded,rupturing left wing tanks, fire in engine, occurred on take-off, Upon landing fire controlled immediately by N-41, approximate loss $1,900,000.00.

10/8/70 -Pan Am 747 fire in cargo hold - controlled by internal extinguishing system and extinguished by Fire Department after landing. Approximate loss/damage $10,000.00

10/13/70-Broken underground fuel main at main entrance road, 3550 gallons fuel spilled, all traffic re-routed until fuel pumped into storage barrels. Fuel donated to Fire Department for 'hot-fire' drills.

10/27/70-Piper Cherokee inverted by 'wake turbulence' crashed on one wing and landed on back; no fatalities - Approximate loss $7000.00.

11/2/70 -West Valley Air Lines Twin Beechcraft crashed in water 100 yards east of Runway 28-R threshold, dense fog made rescue difficult. Passengers and crew (2-2) waded to approach lighting pier from which firemen using rope slings lifted them to pier, one man with serious facial injuries and all suffering from exposure. Airplane total loss $85,000.00

11/3/70 -United Air Lines 747 lost left rear outside wheel assembly on takeoff - landed safely - approximate loss $10,000.00.

2/22/71 -Swiftaire Heron 18, nose wheel collapsed, five people on board - no injuries - approximate loss $5,000.00.

5/15/71 -UAL DC-8 - broken high pressure air line, ramp personnel became excited and needlessly operated evacuation slides and evacuated people from the aircraft. Air crew was unaware of activity until too late - many injuries to backs, arms, and legs. Incident should not have happened.

Summation: No fatalities in this past year. The introduction of the Boeing 747 brought a rash of standbys for engine failures and fires, but, aside from the one AAL incident in September, 1970 nothing serious developed. The trend in Alert #1's is to a serious increase in the number of hydraulic problems. Having an effect on the control of the aircraft on the ground as well as in the air, they are potentially the most dangerous incidents. Refresher training and renewed emphasis on procedures has been initiated to keep everyone aware of this problem.

1971-72

The aerial-scope truck should be in service by the end of August, 1971. Manned with two (2) firemen,this will increase the Airport strength by seven (7) firemen.
The Douglas DC-10 will be in operation this coming year and we expect an increase in alarms normal with the introduction of new aircraft.

SAN FRANCISCO INTERNATIONAL AIRPORT

FIRE DEPARTMENT EMERGENCY EQUIPMENT

UNIT	MOBILE #	SFA #	MFR/YR	PUMP	WATER	FOAM	DRY/CHEM	CO2	TURRETS	HOSE REELS	HOSE
RESCUE #1	37	65	International 1964	0	0	0	0	100#	0	0	200'-1½"
RESCUE #2	32	66	Amer.LaFrance 1966	1000 GPM	500 GAL	50	0	0	0	2-200 Ft. 50 GPM	1000' 2-3/4" 200' 1-1/2"
RESCUE #3	35	62	Yankee 1960	750 GPM	1400 GAL	300 GAL	0	0	500 GPM 300 PSI	2-200 ft. 60 GPM	0
RESCUE #4	40	67	Yankee Walter 1968	2-1000 GPM	3000 GAL	500 GAL	0	0	1500 GPM 225 PSI	2-200 ft. 65 GPM	0
RESCUE #5	41	68	Yankee Walter 1969	2-1000 GPM	3000 GAL	500 GAL	0	0	1500 GPM 225 PSI	2-200 ft. 65 GPM	0
QUAD #1	38	60	Yankee 1959	1000 GPM	750 GAL	100 GAL	300# 2-100'	0 0	300 GPM 300 PSI	2-200 ft. 50 GPM	1000' 2-3/4" 500' 1-1/2"
QUAD #2	34	61	Yankee 1959	1000 GPM	750 GAL	110 GAL	300# 2-100'	0 0	300 GPM 300 PSI	2-200 ft. 50 GPM	1000' 2-3/4" 500' 1-1/2"
TANKER #1	36	63	GMC-1954	685GPM	4000 GAL	0	0	0	0	0	150' 2-3/4"
COMMAND	31	64	Ford-1968	Fire Marshal Car - 4-Door Sedan							

RESERVE UNITS

RESCUE-155	39	20	White 1942	1000 GPM	1000 GAL	100 GAL	0	0	2-250 GPM 200 PSI	0	200' 1"

HOSE TRAILER * Carries 200 feet of 2-3/4" Hose. ***** FOAM TRAILER * Carries 315 Gals. or 3% Foam Concentrate

LIGHT UNIT * This unit is trailer mounted and carries 5 Lamps: rating is 480,000 Lumens

All equipment with mobile numbers are radio equipped; Tower Frequency & Intervehicle Frequency. Rescue #1 carries Resuscitator, Porta-power tools, auxiliary generator, metal cutting power saws and large First-Aid Kit. Rescue #2 has 2-Scott Air Paks, Resuscitator, Audio Hailer and is also equipped with S.F.F.D. Radio. The Command Vehicle also has S.F.F.D. Radio and is in radio communication with Fire Department Communications Center at all times. All All mobile units have the usual small tools, axes and hand extinguishers.

At this date there is an Aerial/Snorkel Type Ladder Truck on order with delivery expected late this year.

In Memoriam

NAME	RANK	DATE	STATUS
Sheehan, Vincent F.	Fireman	7/8/70	Retired
Worrall, Raymond S.	Fireman	7/23/70	Active
Haggerty, John J.	Fireman	8/28/70	Retired
Johnson, Raymond G.	Fireman	8/19/70	Retired
Farrell, Peter F.	Fireman	8/29/70	Retired
Vorsin, George M.	Lieutenant	8/29/70	Retired
Intersimone, Joseph A.	Fireman	9/4/70	Active *
Fitzgerald, John F.	Fireman	9/6/70	Retired
Sullivan, Thomas P.	Fireman	9/16/70	Retired
Ricketts, Robert J.	Fireman	10/1/70	Retired
Krieg, Charles G.	Fireman	10/6/70	Retired
Cassidy, Robert L.	Fireman	10/21/70	Retired
Downey, Charles A.	Fireman	10/28/70	Active
Cadigan, Patrick	Fireman	11/13/70	Retired
Amsden, Clarence	Fireman	11/19/70	Retired
Goessell, Charles	Fireman	11/21/70	Retired
Kavanaugh, Clarence J.	Fireman	11/23/70	Retired
Connor, Leo J.	Lieutenant	12/1/70	Retired
Clack, Arthur W.	Inspector	12/6/70	Retired
Daly, Edmund F.	Fireman	12/8/70	Retired
Lavaroni, Henry S.	Fireman	12/22/70	Retired
Gilmore, William H.	Assistant Chief	12/23/70	Retired
Awkright, William L.	Fireman	12/27/70	Retired
Falting, Richard C.	Fireman	12/27/70	Active
Johnston, William A.	Fireman	1/18/71	Active *
Flaherty, Edward J.	Fireman	1/12/71	Retired
Ryan, Robert F.	Fireman	1/22/71	Active
Kuerzi, Irving	Fireman	1/28/71	Retired
DeBrun, William	Operator	2/6/71	Retired
Eagan, John E.	Fireman	2/13/71	Retired
Nyhan, Raymond	Lieutenant	2/14/71	Active *
Smith, William J.	Operator	2/14/71	Active
Murphy, Walter	Fireman	2/24/71	Retired
Ruge, Marshall	Fireman	2/27/71	Retired

In Memoriam

NAME	RANK	DATE	STATUS
Jacobs, Mark H.	Lieutenant	3/11/71	Retired
Barnes, Walter P.	Fireman	3/15/71	Retired
Chamberlin, Claude V.	Fireman	3/15/71	Retired
MacDonald, Walter J.	Fireman	3/16/71	Retired
Wilson, Vincent	Captain	3/20/71	Retired
Burke, Vincent L.	Fireman	5/5/71	Retired
Williams, Bert	Fireman	5/7/71	Active
Donovan, John P.	Fireman	5/18/71	Retired
Powers, Robert J.	Captain	5/19/71	Retired
Short, John	Fireman	5/19/71	Retired
Keating, John	Fireman	5/21/71	Retired
Kilkeary, Allan L.	Lieutenant	5/24/71	Retired
Nulty, Patrick	Fireman	6/29/71	Retired
Lawson, Ambrose	Fireman	6/30/71	Retired
McNeill, Archie H.	Fireman	4/18/71	Retired

* On Duty